



Stem cell markers

干细胞标志物



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一抗·二抗·内参&标签·重组蛋白



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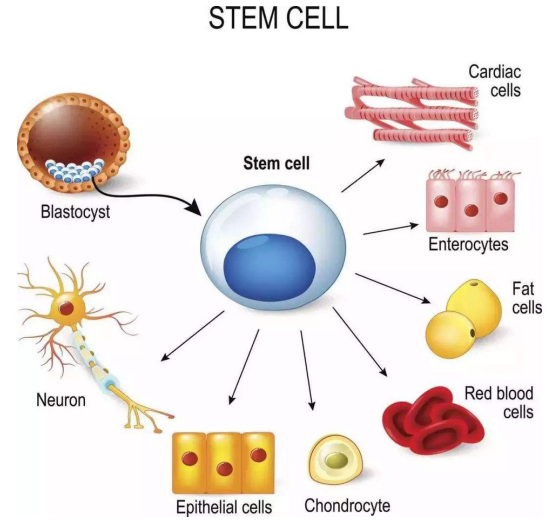
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什么是干细胞？

干细胞是一类具有无限的或者永生的自我更新能力的细胞、能够产生至少一种类型的、高度分化的子代细胞。大多数生物学家和医学家认为干细胞是来自于胚胎、胎儿或成人体内具有在一定条件下无限制自我更新与增殖分化能力的一类细胞，能够产生表现型与基因型和自己完全相同的子细胞，也能产生组成机体组织、器官的已特化的细胞，同时还能分化为祖细胞。



常见的干细胞标志物

常见干细胞标志物一般在多种干细胞中表达，常用于鉴别干细胞与其他细胞。Oct4 是干细胞的常见标志物之一在干细胞维持其多潜能性和自我更新的过程中起着重要作用。Oct4 主要表达于胚胎干细胞以及生殖干细胞中，它与 Nanog 和 SOX2 通过共同作用，形成一个表达特异性基因的转录网络，从而维持干细胞的自我更新能力。并抑制干细胞的过度分化。这些基因在早期发育阶段大量表达，机体成熟后其表达量随之降低。除此之外 CD30、GATA4、CD133 等也是干细胞的常见标志物，在干细胞各项生理活动中十分重要。

靶标	货号	产品名称	反应种属	应用
Oct-4	db20351	Oct-4 Rabbit pAb	Human,Mouse	WB,IHC,ICC/IF,FC,IP
	db3086	Oct-4 Rabbit pAb	Human	WB,IHC,FC,IP
	db563	Oct-4 Rabbit pAb	Human,Mouse	WB,IHC,ICC/IF,FC,IP,ChIP
	db6021	Oct 4 (3F5) Mouse mAb	Mouse	WB
	db15932	Oct-4 Recombinant Rabbit mAb	Human,Mouse	WB,IHC,ICC/IF,FC,IP,ChIP
	db15392	Oct-4 Recombinant Rabbit mAb	Human	WB,IHC,FC,IP
	db13768	Oct-4 Recombinant Rabbit mAb	Human,Mouse	WB,IHC,ICC/IF,FC,IP
Nanog	db4276	Nanog Rabbit pAb	Mouse	WB,IHC,ICC/IF,FC,IP
	db891	Nanog Rabbit pAb	Human	WB,IHC,ICC/IF,FC
	db15851	Nanog Recombinant Rabbit mAb	Human	WB,IHC,ICC/IF,FC
	db15070	Nanog Recombinant Rabbit mAb	Mouse	WB,IHC,ICC/IF,FC,IP
SOX2	db22738	SOX2 Rabbit pAb	Human	WB,IHC,IP
	db2678	SOX2 Rabbit pAb	Human,Mouse,Rat	WB,IHC,ICC/IF
	db13035	SOX2 Recombinant Rabbit mAb	Human	WB,IHC,IP
	db15498	SOX2 Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,ICC/IF
	db30104	SOX2 Recombinant Rabbit mAb	Human	IHC

靶标	货号	产品名称	反应种属	应用
CD30	db133	CD30 Rabbit pAb	Human	WB,IHC
	db16045	CD30 Recombinant Rabbit mAb	Human	WB,IHC
	db30005	CD30 Recombinant Rabbit mAb	Human	IHC
GATA4	db5399	GATA4 Rabbit pAb	Human,Mouse,Rat	WB,IHC,ICC/IF,FC
	db14850	GATA4 Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,ICC/IF,FC
CD133	db20128	CD133 Rabbit pAb	Human	WB,IHC
	db4238	CD133 Rabbit pAb	Human	WB,FC,IP
	db3805	CD133 Rabbit pAb	Human	WB,IHC
	db6195	CD133 (8F2) Mouse mAb	Human	WB
	db6194	CD133 (6H10) Mouse mAb	Human	WB
	db15201	CD133 Recombinant Rabbit mAb	Human	WB,IHC
	db15085	CD133 Recombinant Rabbit mAb	Human	WB,IHC,FC,IP
	db13821	CD133 Recombinant Rabbit mAb	Human	WB,IHC

造血干细胞标志物

造血干细胞(Hematopoietic stem cells, HSC)是一类成体干细胞，具有干细胞的特性：自我更新和分化潜能。

造血干细胞是一种骨髓来源的多能干细胞，它是血液系统中的“种子”细胞。造血干细胞(HSCs)在造血过程中形成血系中的所有细胞，包括各种成熟细胞如白细胞、红细胞、血小板等。在受到适当刺激时还分化为其他非造血组织(如脂肪细胞、心肌细胞、内皮细胞和胰腺细胞)。

造血干细胞具有调节体内平衡、免疫功能、抗微生物、抗炎症等生物学功能。它在血液病、遗传性血液病和自身免疫性疾病的治疗方面有重要作用。

CD34是最重要的标志之一，在造血干细胞及其祖细胞的分离和鉴定中，CD34分子是第一个被广泛研究的分子。CD34在人脐带血、骨髓和外周血中的表达约0.1 - 4.9%。CD34在0.55%的人骨髓细胞上表达，在早期祖细胞上有表达，而在成熟的骨髓细胞上不表达。其他表面标记已经与CD34结合使用来区分原始细胞群体。此外还有很多常见造血干细胞标志物应用于试验检测中，如CD38、CD90、CD117、CD123等等。

靶标	货号	产品名称	反应种属	应用
CD45	db6409	CD45 Mouse mAb	Human,Mouse	WB,IHC-P
	db4592	CD45 Rabbit pAb	Human	WB,IHC,ICC/IF,FC
	db3512	CD45 Rabbit pAb	Human,Mouse	WB,IP
	db6424	CD45 (8C1) Mouse mAb	Human	ICC/IF,WB,IHC-P
	db15259	CD45 Recombinant Rabbit mAb	Human,Mouse	WB,IHC,IP
	db30063	CD45 Recombinant Rabbit mAb	Human	IHC,WB
	db15010	CD45 Recombinant Rabbit mAb	Human	WB,IHC,ICC/IF,FC

靶标	货号	产品名称	反应种属	应用
CD34	db3051	CD34 Rabbit pAb	Human,Mouse,Rat	WB,IHC,ICC/IF,FC,IP
	db16131	CD34 Recombinant Rabbit mAb	Human	WB,IHC,IP
	db15404	CD34 Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,ICC/IF,FC,IP
	db30037	CD34 Recombinant Rabbit mAb	Human	IHC,WB,FC
CD90	db911	CD90 Rabbit pAb	Human,Rat	WB,IHC
	db5633	Thy1/CD90 Rabbit pAb	Human	WB,IHC,ICC/IF
	db14186	CD90 Recombinant Rabbit mAb	Human,Rat	WB,IHC
	db12377	Thy1/CD90 Recombinant Rabbit mAb	Human	WB,IHC,ICC/IF
CD11b	db21933	CD11b Rabbit pAb	Mouse,Rat	WB,FC
	db9097	CD11b Rabbit pAb	Human	WB,IHC,ICC/IF,FC,IP
	db874	CD11b Rabbit pAb	Human,Mouse	WB,IHC
	db603	CD11b Rabbit pAb	Mouse	WB,ICC/IF,FC,IP
	db12238	CD11b Recombinant Rabbit mAb	Human,Mouse	WB,ICC/IF,FC,IP
	db15861	CD11b Recombinant Rabbit mAb	Human,Mouse	WB,IHC
	db14335	CD11b Recombinant Rabbit mAb	Human	WB,IHC,ICC/IF,FC,IP
	db13268	CD11b Recombinant Rabbit mAb	Mouse,Rat	WB,FC
CD8	db247	CD8 Rabbit pAb	Human	IHC
	db579	CD8 Rabbit pAb	Human	WB,IHC,ICC/IF
	db7449	CD8 alpha Rabbit pAb	Human	IHC,FC,IP
	db4210	CD8 alpha Rabbit pAb	Mouse	WB,IHC,FC,IP
	db3643	CD8 alpha Rabbit pAb	Mouse	WB,IHC
	db1478	CD8 alpha Rabbit pAb	Human	IHC,ICC/IF,FC,IP
	db16012	CD8 Recombinant Rabbit mAb	Human	IHC
	db30032	CD8 Recombinant Rabbit mAb	Human	IHC,FC
	db15762	CD8 alpha Recombinant Rabbit mAb	Human	IHC,ICC/IF,FC,IP
	db15237	CD8 alpha Recombinant Rabbit mAb	Mouse	WB,IHC
	db12047	CD8 alpha Recombinant Rabbit mAb	Human	WB, IHC, ICC/IF
	db12886	CD8 alpha Recombinant Rabbit mAb	Human	IHC,FC,IP
	db15089	CD8 alpha Recombinant Rabbit mAb	Mouse	WB,IHC,FC,IP
	db16107	CD8 alpha Recombinant Rabbit mAb	Human,Rat	IHC,ICC/IF,FC
CD19	db21982	CD19 Rabbit pAb	Mouse	WB,IHC,ICC/IF,FC,IP
	db75	CD19 Rabbit pAb	Human	WB,IHC,ICC/IF
	db6343	CD19 Mouse mAb (FITC)	Human	ICC/IF
	db6303	CD19 (3G7) Mouse mAb	Human	ICC/IF,FC
	db30036	CD19 Recombinant Rabbit mAb	Human	IHC,WB,FC
	db16062	CD19 Recombinant Rabbit mAb	Human	WB,IHC,ICC/IF,FC
	db12393	CD19 Recombinant Rabbit mAb	Mouse	WB,IHC,ICC/IF,FC,IP

靶标	货号	产品名称	反应种属	应用
CD123	db22881	IL-3RA/CD123 Rabbit pAb	Human	WB,IHC
	db13005	IL-3RA/CD123 Recombinant Rabbit mAb	Human	WB,IHC
CD14	db5069	CD14 Rabbit pAb	Human	WB,IHC,FC
	db868	CD14 Rabbit pAb	Human	WB,IHC,ICC/IF
	db4334	CD14 Rabbit pAb	Mouse	WB,ICC/IF,FC,IP
	db139	CD14 Rabbit pAb	Human	IHC,FC
	db15053	CD14 Recombinant Rabbit mAb	Mouse	WB,ICC/IF,FC,IP
	db12556	CD14 Recombinant Rabbit mAb	Human	WB,IHC,ICC/IF
	db30093	CD14 Recombinant Rabbit mAb	Human	IHC
	db16043	CD14 Recombinant Rabbit mAb	Human	IHC,FC
CD20	db564	CD20 Rabbit pAb	Human	WB,IHC,IP
	db12572	CD20 Recombinant Rabbit mAb	Human	WB,IHC,IP
	db30003	CD20 Recombinant Rabbit mAb	Human	IHC,WB,FC
	db30117	CD20 Recombinant Rabbit mAb	Human	IHC
CD31	db910	CD31 Rabbit pAb	Human	WB,IHC,FC
	db9634	CD31 Rabbit pAb	Mouse	WB,IP
	db9492	CD31 Rabbit pAb	Mouse,Rat	WB,IP
	db3309	CD31 Rabbit pAb	Mouse,Rat	WB,ICC/IF
	db3308	CD31 Rabbit pAb	Human,Mouse,Rat	IHC
	db913	CD31 Rabbit pAb	Human	WB,IHC
	db6193	CD31 (5E2) Mouse mAb	Human	WB,IHC-P
	db6192	CD31 (2D3) Mouse mAb	Human	WB,IP
	db15306	CD31 Recombinant Rabbit mAb	Mouse,Rat	WB,ICC/IF
	db12982	CD31 Recombinant Rabbit mAb	Human	WB,IHC,FC
	db15307	CD31 Recombinant Rabbit mAb	Human,Mouse,Rat	IHC
	db14258	CD31 Recombinant Rabbit mAb	Mouse,Rat	WB,IP
	db14244	CD31 Recombinant Rabbit mAb	Mouse	WB,IP
	db30028	CD31 Recombinant Rabbit mAb	Human	IHC,WB,FC
	db13774	CD31 Recombinant Rabbit mAb	Human	WB,IHC,ICC/IF
CD38	db9368	CD38 Rabbit pAb	Mouse	ICC/IF,FC
	db4364	CD38 Rabbit pAb	Mouse	WB,IHC
	db534	CD38 Rabbit pAb	Human	WB,IHC
	db15939	CD38 Recombinant Rabbit mAb	Human	WB,IHC,FC
	db15051	CD38 Recombinant Rabbit mAb	Mouse	WB,IHC
	db12798	CD38 Recombinant Rabbit mAb	Mouse	ICC/IF,FC
	db30070	CD38 Recombinant Rabbit mAb	Human	IHC
CD33	db22796	CD33 Rabbit pAb	Human	WB,IHC,ICC/IF,IP
	db13018	CD33 Recombinant Rabbit mAb	Human	WB,IHC,ICC/IF,IP

靶标	货号	产品名称	反应种属	应用
CD4	db21040	CD4 Rabbit pAb	Mouse	WB,FC,IP
	db3364	CD4 Rabbit pAb	Mouse	WB,IHC,IP
	db1069	CD4 Rabbit pAb	Human	WB,IHC,ICC/IF,FC
	db6525	CD4 (7H9) Mouse mAb	Human,Rat,Mouse	IHC-P
	db13557	CD4 Recombinant Rabbit mAb	Mouse	WB,FC,IP
	db16127	CD4 Recombinant Rabbit mAb	Human	IHC,FC
	db15291	CD4 Recombinant Rabbit mAb	Mouse	WB,IHC,IP
	db15805	CD4 Recombinant Rabbit mAb	Human	WB,IHC,ICC/IF,FC
	db30019	CD4 Recombinant Rabbit mAb	Human	IHC,FC
	db16155	CD4 Recombinant Rabbit mAb	Mouse,Rat	WB,IHC,FC,IP
CD71	db897	Transferrin Receptor Rabbit pAb	Human	WB
	db3468	Transferrin Receptor Rabbit pAb	Human,Mouse	WB,IHC,ICC/IF,IP
	db3148	Transferrin Receptor Rabbit pAb	Human,Mouse	WB,IHC,FC,IP
	db14195	Transferrin Receptor Recombinant Rabbit mAb	Human,Mouse	WB,IHC,ICC/IF,IP
	db15365	Transferrin Receptor Recombinant Rabbit mAb	Human,Mouse	WB,IHC,FC,IP
	db12697	Transferrin Receptor Recombinant Rabbit mAb	Human	WB
TdT	db72	TdT Rabbit pAb	Human	WB,IHC
	db1753	TdT Rabbit pAb	Human,Mouse,Rat	WB,FC
	db1698	TdT Rabbit pAb	Human	WB,ICC/IF,IP
	db30077	TdT Recombinant Rabbit mAb	Human	IHC
	db13698	TdT Recombinant Rabbit mAb	Human	WB,ICC/IF,IP
	db15706	TdT Recombinant Rabbit mAb	Human,Mouse,Rat	WB,FC
	db11889	DNA Nucleotidyltransferase Recombinant Rabbit mAb	Human	WB,IHC

神经干细胞标志物

神经干细胞(neural stem cell)是指存在于神经系统中, 具有分化为神经神经元、星形胶质细胞和少突胶质细胞的潜能, 从而能够产生大量脑细胞组织, 并能进行自我更新, 并足以提供大量脑组织细胞的细胞群。是一类具有分裂潜能和自更新能力的母细胞, 它可以通过不对等的分裂方式产生神经组织的各类细胞。需要强调的是, 在脑脊髓等所有神经组织中, 不同的神经干细胞类型产生的子代细胞种类不同, 分布也不同。

常用的神经干细胞标志物有Nestin和SOX2。其他表达于细胞表面的蛋白标志物有ABCG2、FGFR1和Frizzled-9。Nestin 是一种丝状蛋白, 定位于细胞质中, 可能在神经元的分化中起一定作用, 在神经干细胞分化初期开始表达, 并随着分化程度的加深表达量逐渐降低甚至完全停止。SOX2 主要的作用是维持干细胞增殖和抑制干细胞定向分化, 类似于 Nestin, 其在成人脑组织中表达量很低, 目前已经作为区分恶性胶质瘤细胞与正常脑细胞的标志蛋白和治疗靶点。此外, 该研究领域也发现了神经干细胞的其他常见标志物, 如 CXCR4、Vimentin、NeuroD1、MAP2、Tau 等等。

靶标	货号	产品名称	反应种属	应用
BMI1	db9845	BMI1 Rabbit pAb	Human,Rat	WB,IHC,ICC/IF
	db8878	BMI1 Rabbit pAb	Human,Mouse	WB,IHC,ICC/IF,FC,IP
	db14345	BMI1 Recombinant Rabbit mAb	Human,Mouse	WB,IHC,ICC/IF,FC,IP
	db14160	BMI1 Recombinant Rabbit mAb	Human,Rat	WB,IHC,ICC/IF
	db4360	Phospho-BMI1 (Thr275) Rabbit pAb	Human,Mouse	WB,ICC/IF,FC,IP
	db13944	Phospho-BMI1 (Thr275) Recombinant Rabbit mAb	Human,Mouse	WB,ICC/IF,FC,IP
CXCR4	db3261	CXCR4 Rabbit pAb	Human,Mouse,Rat	WB,IHC,ICC/IF
	db313	CXCR4 Rabbit pAb	Human,Mouse	WB,IHC,ICC/IF
	db15995	CXCR4 Recombinant Rabbit mAb	Human,Mouse	WB,IHC,ICC/IF
	db15325	CXCR4 Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,ICC/IF
Nestin	db20315	Nestin Rabbit pAb	Mouse,Rat	WB,IHC
	db7691	Nestin Rabbit pAb	Human	WB,IHC,ICC/IF,FC
	db4012	Nestin Rabbit pAb	Human	IHC,ICC/IF,FC
	db11140	Nestin Recombinant Rabbit mAb	Mouse,Rat	WB,IHC
	db15135	Nestin Recombinant Rabbit mAb	Human	IHC,ICC/IF,FC
	db11592	Nestin Recombinant Rabbit mAb	Human	WB,IHC,ICC/IF,FC
NeuroD1	db7	NeuroD1 Rabbit pAb	Human,Mouse,Rat	WB,ICC/IF
	db4846	NeuroD1 Rabbit pAb	Human,Mouse	WB,IHC,ICC/IF
	db5249	NeuroD1 Rabbit pAb	Human,Mouse,Rat	WB,IHC,FC,IP
	db16075	NeuroD1 Recombinant Rabbit mAb	Human,Mouse,Rat	WB,ICC/IF
	db14961	NeuroD1 Recombinant Rabbit mAb	Human,Mouse	WB,IHC,ICC/IF
	db14866	NeuroD1 Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,FC,IP
Vimentin	db1011	Vimentin Rabbit pAb	Human,Mouse,Rat	WB,IHC,ICC/IF,FC
	db6271	Vimentin (4F8) Mouse mAb	Human	WB,ICC/IF,IP,IHC-F,IHC-P
	db6475	Vimentin (10E2) Mouse mAb	Human,Mouse	WB
	db11589	Vimentin Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,ICC/IF,FC
	db30006	Vimentin Recombinant Rabbit mAb	Human	IHC,WB,FC
	db3657	Phospho-Vimentin (Ser72) Rabbit pAb	Human,Mouse,Rat	WB,IP
	db22374	Phospho-Vimentin (Ser82) Rabbit pAb	Human,Mouse,Rat	WB
	db20967	Phospho-Vimentin (Ser38) Rabbit pAb	Human,Mouse,Rat	WB,ICC/IF
	db9887	Phospho-Vimentin (Ser56) Rabbit pAb	Human	WB,ICC/IF,FC,IP
	db14440	Phospho-Vimentin (Ser56) Recombinant Rabbit mAb	Human	WB,ICC/IF,FC,IP
	db11739	Phospho-Vimentin (Ser72) Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IP
	db12686	Phospho-Vimentin (Ser38) Recombinant Rabbit mAb	Human,Mouse,Rat	WB,ICC/IF
	db12624	Phospho-Vimentin (Ser82) Recombinant Rabbit mAb	Human,Mouse,Rat	WB

靶标	货号	产品名称	反应种属	应用
MAP2	db557	MAP2 Rabbit pAb	Human,Mouse,Rat	IHC,ICC/IF,FC
	db9365	MAP2 Rabbit pAb	Human	IHC
	db12803	MAP2 Recombinant Rabbit mAb	Human	IHC
	db12442	MAP2 Recombinant Rabbit mAb	Human,Mouse,Rat	IHC,ICC/IF,FC
	db21850	Phospho-MAP2 (Ser136) Rabbit pAb	Human,Mouse,Rat	WB,IHC,IP
	db12646	Phospho-MAP2 (Ser136) Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,IP
Synaptophysin	db4327	Synaptophysin Rabbit pAb	Human,Mouse,Rat	WB,IHC,ICC/IF
	db6404	Synaptophysin (10C8) Mouse mAb	Human,Mouse,Rat	WB,IHC-P
	db11816	Synaptophysin Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,ICC/IF
	db30043	Synaptophysin Recombinant Rabbit mAb	Human	IHC,WB,FC
OTX2	db21252	Otx2 Rabbit pAb	Human	WB
	db3098	Otx2 Rabbit pAb	Human,Mouse,Rat	WB,IHC,IP
	db15386	Otx2 Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,IP
	db13507	Otx2 Recombinant Rabbit mAb	Human	WB
GFAP	db1015	GFAP Rabbit pAb	Human,Mouse,Rat	WB,IHC,ICC/IF,FC
	db8673	GFAP Rabbit pAb	Human,Mouse,Rat	WB,IHC,IP
	db3119	GFAP Rabbit pAb	Human,Mouse,Rat	WB,IHC,IP
	db6433	GFAP (9A2) Mouse mAb	Human,Mouse	WB,IHC-P,ICC/IF
	db11248	GFAP Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,ICC/IF,FC,IP
	db12000	GFAP Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,ICC/IF,FC
	db15379	GFAP Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,IP
	db30051	GFAP Recombinant Rabbit mAb	Human	IHC,WB
Tau	db1777	Tau Rabbit pAb	Human,Mouse,Rat	WB,IHC,IP
	db7399	Tau Rabbit pAb	Human,Mouse,Rat	WB,ICC/IF,FC
	db8769	Tau Rabbit pAb	Human,Mouse	WB,IHC,IP
	db11940	Tau Recombinant Rabbit mAb	Human,Mouse	WB,IHC,IP
	db13107	Tau Recombinant Rabbit mAb	Human, Mouse,Rat	WB,ICC/IF,FC
	db13981	Phospho-Tau (Thr50) Recombinant Rabbit mAb	Human	WB,IHC,ICC/IF,IP
	db2498	Phospho-Tau (Thr50) Rabbit pAb	Human	WB,IHC,ICC/IF,IP
	db14071	Phospho-Tau (Thr231) Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,IP
	db1700	Phospho-Tau (Thr231) Rabbit pAb	Human,Mouse,Rat	WB,IHC,IP
	db14247	Phospho-Tau (Thr205) Recombinant Rabbit mAb	Human	WB
	db3401	Phospho-Tau (Thr205) Rabbit pAb	Human	WB
	db13902	Phospho-Tau (Thr181) Recombinant Rabbit mAb	Human	WB,IP
	db5219	Phospho-Tau (Thr181) Rabbit pAb	Human	WB,IP
	db13932	Phospho-Tau (Ser610) Recombinant Rabbit mAb	Human	WB
	db5324	Phospho-Tau (Ser610) Rabbit pAb	Human	WB

靶标	货号	产品名称	反应种属	应用
Tau	db13984	Phospho-Tau (Ser422) Recombinant Rabbit mAb	Human	WB
	db3163	Phospho-Tau (Ser422) Rabbit pAb	Human	WB
	db14009	Phospho-Tau (Ser404) Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,ICC/IF
	db4299	Phospho-Tau (Ser404) Rabbit pAb	Human,Mouse,Rat	WB,IHC,ICC/IF
	db12335	Phospho-Tau (Ser396) Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,IP
	db14042	Phospho-Tau (Ser396) Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC
	db1868	Phospho-Tau (Ser396) Rabbit pAb	Human,Mouse,Rat	WB,IHC
	db13915	Phospho-Tau (Ser356) Recombinant Rabbit mAb	Human	WB
	db7139	Phospho-Tau (Ser356) Rabbit pAb	Human	WB
	db14007	Phospho-Tau (Ser324) Recombinant Rabbit mAb	Human,Mouse,Rat	WB,ICC/IF,IP
	db2583	Phospho-Tau (Ser324) Rabbit pAb	Human,Mouse,Rat	WB,ICC/IF,IP
	db14000	Phospho-Tau (Ser262) Recombinant Rabbit mAb	Human	WB
	db2800	Phospho-Tau (Ser262) Rabbit pAb	Human	WB
	db12291	Phospho-Tau (Ser235) Recombinant Rabbit mAb	Human	WB
	db3402	Phospho-Tau (Ser235) Rabbit pAb	Human	WB
	db12291	Phospho-Tau (Ser235) Recombinant Rabbit mAb	Human	WB
	db3402	Phospho-Tau (Ser235) Rabbit pAb	Human	WB
	db14026	Phospho-Tau (Ser214) Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC
	db2191	Phospho-Tau (Ser214) Rabbit pAb	Human,Mouse,Rat	WB,IHC
	db12694	Phospho-Tau (Ser202/Thr205) Recombinant Rabbit mAb	Human	WB,IP
	db3310	Phospho-Tau (Ser202/Thr205) Rabbit pAb	Human	WB,IP
	db13380	Phospho-Tau (Ser202) Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IP
	db1765	Phospho-Tau (Ser202) Rabbit pAb	Human,Mouse,Rat	WB,IP
	db14057	Phospho-Tau (Ser199) Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IP
	db1775	Phospho-Tau (Ser199) Rabbit pAb	Human,Mouse,Rat	WB,IP
	db13889	Phospho-Tau (Ser198) Recombinant Rabbit mAb	Human	WB,IHC,ICC/IF,IP
	db2089	Phospho-Tau (Ser198) Rabbit pAb	Human	WB,IHC,ICC/IF,IP

间充质干细胞标志物

间充质干细胞（mesenchymal stem cells, MSC）是干细胞家族的重要成员，属于成体干细胞。来源于发育早期的中胚层和外胚层。间充质干细胞属混杂细胞群，其表面抗原也具有非专一性，表达了间质细胞、内皮细胞和表皮细胞的表面标志。目前人类间充质干细胞表面比较肯定存在的标记物有CD10，CD13，CD29，CD90和CD1，表面阴性的为CD14，CD34，CD45。

CD29也被称为整合素 β 1,VLA- β 链或gpIIa,为多种细胞外基质蛋白的受体,是分子量为130 kDa的单链I型糖蛋白,属于整合素家族。它广泛表达于大多数造血细胞和非造血细胞,包括白细胞(虽然在粒细胞水平较低)、血小板、成纤维细胞、内皮细胞、上皮细胞和肥大细胞。CD29作为纤维连接蛋白受体,参与多种细胞-细胞和细胞-基质相互作用,调节多种重要的生物学功能,包括胚胎发育、伤口修复、止血和防止细胞程序性死亡。它的表达与MSC的迁移有关。

CD73: CD73是一种5'-核苷酸外切酶,又称NT5E。它是一种69 kDa GPI锚定的表面蛋白。CD73广泛表达于包括淋巴细胞、内皮细胞、平滑肌细胞、上皮细胞和成纤维细胞在内的多种细胞。CD73不仅可参与嘌呤核苷酸的补救合成途径,还可作为一种重要的免疫信号分子,参与跨膜信号转导及细胞的黏附。CD73在间充质干细胞表面的稳定表达是鉴别MSCs重要的表面标记之一。

CD90 (Thy1): CD90也称为Thy-1,是一种25-35kDa的GPI锚定蛋白。它属于免疫球蛋白超级家族。人CD90表达于神经细胞、CD34+细胞亚群、胎肝细胞亚群、胎胸腺细胞亚群、成纤维细胞、活化内皮细胞和某些白血病细胞系。Thy-1与细胞的黏附、分化、细胞间相互作用有关。它是人类微血管内皮细胞活化的标记,与新生血管的形成有关;也是鉴别人类MSCs的重要标记之一。

靶标	货号	产品名称	反应种属	应用
CD10	db9578	CD10 Rabbit pAb	Human,Mouse,Rat	WB,IHC,ICC/IF,IP
	db20665	CD10 Rabbit pAb	Human,Mouse,Rat	WB,IHC,ICC/IF,IP
	db2925	CD10 Rabbit pAb	Human	WB,IHC,IP
	db1781	CD10 Rabbit pAb	Human,Mouse,Rat	WB,FC
	db6527	CD10 (7C7) Mouse mAb	Human,Rat,Mouse	IHC-P
	db13649	CD10 Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,ICC/IF,IP
	db15698	CD10 Recombinant Rabbit mAb	Human,Mouse,Rat	WB,FC
	db15450	CD10 Recombinant Rabbit mAb	Human	WB,IHC,IP
	db12783	CD10 Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,ICC/IF,IP
	db30049	CD10 Recombinant Rabbit mAb	Human	IHC,WB,FC
CD13	db7863	CD13 Rabbit pAb	Human,Mouse,Rat	WB,IHC,ICC/IF,IP
	db694	CD13 Rabbit pAb	Human,Rat	WB,IHC,ICC/IF,IP
	db14591	CD13 Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,ICC/IF,IP
	db11477	CD13 Recombinant Rabbit mAb	Human,Rat	WB,IHC,ICC/IF,IP
CD29	db4237	Integrin beta 1 Rabbit pAb	Human,Mouse,Rat	WB,IHC
	db1734	Integrin beta 1 Rabbit pAb	Human	WB,IHC,ICC/IF,FC
	db183	Integrin beta 1 Rabbit pAb	Human	WB,IHC
	db11811	Integrin beta 1 Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC
	db16028	Integrin beta 1 Recombinant Rabbit mAb	Human	WB,IHC
	db12539	Integrin beta 1 Recombinant Rabbit mAb	Human	WB,IHC,ICC/IF,FC
CD166	db1945	CD166 Rabbit pAb	Human,Mouse,Rat	WB,IHC,ICC/IF,FC,IP
	db11186	CD166 Recombinant Rabbit mAb	Human,Mouse, Rat	WB,IHC,ICC/IF,FC,IP

靶标	货号	产品名称	反应种属	应用
CD90	db911	CD90 Rabbit pAb	Human,Rat	WB,IHC
	db5633	Thy1/CD90 Rabbit pAb	Human	WB,IHC,ICC/IF
	db14186	CD90 Recombinant Rabbit mAb	Human,Rat	WB,IHC
	db12377	Thy1/CD90 Recombinant Rabbit mAb	Human	WB,IHC,ICC/IF
CD73	db1625	CD73 Rabbit pAb	Human	WB,IHC,ICC/IF
	db3255	CD73 Rabbit pAb	Human	WB,IHC
	db15327	CD73 Recombinant Rabbit mAb	Human	WB,IHC
	db16095	CD73 Recombinant Rabbit mAb	Human	FC
	db15731	CD73 Recombinant Rabbit mAb	Human	WB,IHC
CD44	db3173	CD44 Rabbit pAb	Human	WB,IHC,FC
	db6337	CD44 (2H12) Mouse mAb	Human	WB,IP,ICC/IF,IHC-F,IHC-P
	db14136	CD44 Recombinant Rabbit mAb	Human	WB,IHC,FC
	db16109	CD44 Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,IP
	db30111	CD44 Recombinant Rabbit mAb	Human	IHC
CD34	db3051	CD34 Rabbit pAb	Human,Mouse,Rat	WB,IHC,ICC/IF,FC,IP
	db16131	CD34 Recombinant Rabbit mAb	Human	WB,IHC,IP
	db15404	CD34 Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,ICC/IF,FC,IP
	db30037	CD34 Recombinant Rabbit mAb	Human	IHC,WB,FC
CD14	db5069	CD14 Rabbit pAb	Human	WB,IHC,FC
	db868	CD14 Rabbit pAb	Human	WB,IHC,ICC/IF
	db4334	CD14 Rabbit pAb	Mouse	WB,ICC/IF,FC,IP
	db139	CD14 Rabbit pAb	Human	IHC,FC
	db15053	CD14 Recombinant Rabbit mAb	Mouse	WB,ICC/IF,FC,IP
	db12556	CD14 Recombinant Rabbit mAb	Human	WB,IHC,ICC/IF
	db30093	CD14 Recombinant Rabbit mAb	Human	IHC
	db16043	CD14 Recombinant Rabbit mAb	Human	IHC,FC
CD45	db6409	CD45 Mouse mAb	Human,Mouse	WB,IHC-P
	db4592	CD45 Rabbit pAb	Human	WB,IHC,ICC/IF,FC
	db3512	CD45 Rabbit pAb	Human,Mouse	WB,IP
	db6424	CD45 (8C1) Mouse mAb	Human	ICC/IF,WB,IHC-P
	db15259	CD45 Recombinant Rabbit mAb	Human,Mouse	WB,IHC,IP
	db30063	CD45 Recombinant Rabbit mAb	Human	IHC,WB
	db15010	CD45 Recombinant Rabbit mAb	Human	WB,IHC,ICC/IF,FC
CD106	db3772	VCAM1 Rabbit pAb	Mouse	WB,IP
	db3277	VCAM1 Rabbit pAb	Human,Mouse,Rat	WB,IHC,ICC/IF,FC,IP
	db11080	VCAM1 Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,ICC/IF,FC,IP
	db11630	VCAM1 Recombinant Rabbit mAb	Mouse	WB,IP

靶标	货号	产品名称	反应种属	应用
CD146	db2710	CD146 Rabbit pAb	Human	WB,ICC/IF
	db1815	CD146 Rabbit pAb	Human,Mouse,Rat	WB,IHC,ICC/IF,FC
	db11170	CD146 Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,ICC/IF,FC
	db12516	CD146 Recombinant Rabbit mAb	Human	WB,ICC/IF
	db30142	CD146 Recombinant Rabbit mAb	Human	IHC
CD49e	db5664	Integrin alpha 5 Rabbit pAb	Human,Mouse,Rat	WB,IHC,ICC/IF,FC,IP
	db11971	Integrin alpha 5 Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,ICC/IF,FC,IP
CD56	db8757	NCAM1 Rabbit pAb	Human	WB,IHC,ICC/IF,FC,IP
	db4296	NCAM1 Rabbit pAb	Mouse,Rat	WB,IHC,ICC/IF,FC,IP
	db15067	NCAM1 Recombinant Rabbit mAb	Mouse,Rat	WB,IHC,ICC/IF,FC,IP
	db14428	NCAM1 Recombinant Rabbit mAb	Human	WB,IHC,ICC/IF,FC,IP
HLA-DR	db879	HLA-DR Rabbit pAb	Human,Rat	WB,IHC,ICC/IF,FC
	db15860	HLA-DR Recombinant Rabbit mAb	Human,Rat	WB,IHC,ICC/IF,FC
CD117	db9066	c-Kit Rabbit pAb	Human,Mouse,Rat	WB,IHC
	db1056	c-Kit Rabbit pAb	Human	WB,IHC
	db12817	c-Kit Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC
	db15810	c-Kit Recombinant Rabbit mAb	Human	WB,IHC
CD51	db23496	Integrin alpha V Rabbit pAb	Human,Mouse,Rat	WB,FC
	db494	Integrin alpha V Rabbit pAb	Human,Mouse,Rat	WB,IHC,ICC/IF,IP
	db573	Integrin alpha V Rabbit pAb	Human,Mouse,Rat	WB,IHC
	db11962	Integrin alpha V Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC,ICC/IF,IP
	db13285	Integrin alpha V Recombinant Rabbit mAb	Human,Mouse,Rat	WB,IHC
	db12090	Integrin alpha V Recombinant Rabbit mAb	Human,Mouse,Rat	WB,FC

部分产品引用文献

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产品货号：db3261

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