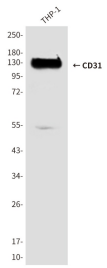
CD31 (2D3) Mouse mAb

db6192 **Package : 50μL 100μL**

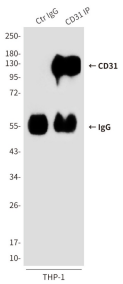
Product Name : CD31 (2D3) Mouse mAb
Cat.No.: db6192
Synonyms : Cd31;Pecam;C85791;PECAM-1
Application : WB, IP
Reactivity : Human
Host species : Mouse

Background	Induces susceptibility to atherosclerosis By similarity.Cell adhesion molecule which is required for leukocyte transendothelial migration(TEM)under most inflammatory conditions.Tyr-690 plays a critical role in TEM and is required for efficient trafficking of PECAM1 to and from the lateral border recycling compartment(LBRC)and is also essential for the LBRC membrane to be targeted around migrating leukocytes.Prevents phagocyte ingestion of closely apposed viable cells by transmitting 'detachment' signals,and changes function on apoptosis,promoting tethering of dying cells to phagocytes (the encounter of a viable cell with a phagocyte via the homophilic interaction of PECAM1 on both cell surfaces leads to the viable cell's active repulsion from the phagocyte.During apoptosis, the inside-out signaling of PECAM1 is somehow disabled so that the apoptotic cell does not actively reject the phagocyte anymore.The lack of this repulsion signal together with the interaction of the eat-me signals and their respective receptors causes the attachment of the apoptotic cell to the phagocyte, thus triggering the process of engulfment).Isoform Delta15 is unable to protect against apoptosis.Modulates BDKRB2 activation. Regulates bradykinin- and hyperosmotic shock-induced ERK1/2 activation in human umbilical cord vein cells(HUVEC).
Immunogen	Purified recombinant human CD31 protein fragments expressed in E.coli
Gene ID	5175
Swiss Prot	P16284
Synonyms	Cd31;Pecam;C85791;PECAM-1
Reactivity	Human
Application	WB, IP
Recommended dilution	WB: 1:500-1:1000 IP: 1:20
Calculated MW	83 kDa
Observed MW	130 kDa

Host species	Mouse
Clonality	Monoclonal
Clonality No.	2D3-B4-C8
Isotype	IgG1
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



Western blot analysis of CD31 in THP-1 lysates using CD31 antibody.



Immunoprecipitation analysis of CD31 (2D3) in THP-1 lysates using CD31 antibody.