Recombinant DGRmAb®

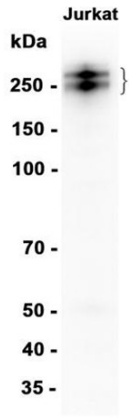
CD45 (DGR15703) Rabbit mAb (PBS Only)

db15010-PBS **Package : 10μg 100μg**

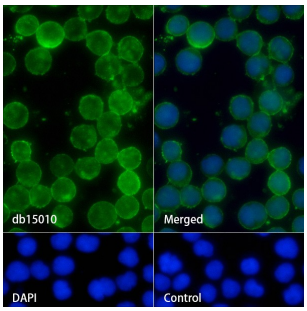
Product Name : CD45 (DGR15703) Rabbit mAb (PBS Only)
Cat.No.: db15010-PBS
Synonyms : LCA; LY5; B220; CD45; L-CA; T200; CD45R; GP180
Application : WB, IHC-P, ICC/IF, FC
Reactivity : Human
Host species : Rabbit

Background	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitosis, and oncogenic transformation. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus is classified as a receptor type PTP. This PTP has been shown to be an essential regulator of T- and B-cell antigen receptor signaling. It functions through either direct interaction with components of the antigen receptor complexes, or by activating various Src family kinases required for the antigen receptor signaling. This PTP also suppresses JAK kinases, and thus functions as a regulator of cytokine receptor signaling. Alternatively spliced transcripts variants of this gene, which encode distinct isoforms, have been reported. [provided by RefSeq, Jun 2012]
Immunogen	A synthetic peptide of human CD45
Gene ID	5788
Swiss Prot	P08575
Synonyms	LCA; LY5; B220; CD45; L-CA; T200; CD45R; GP180
Reactivity	Human
Application	WB, IHC-P, ICC/IF, FC
Calculated MW	147 kDa
Observed MW	180-240 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR15703
Isotype	IgG

Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from Jurkat cells using db15010 at 1:6000.



Immunofluorescence analysis of Jurkat cells labelling CD45 with db15010.

The cells were fixed with cold 100% methanol (10min, 4℃) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db15010 (1:100) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.