Recombinant DGRmAb®

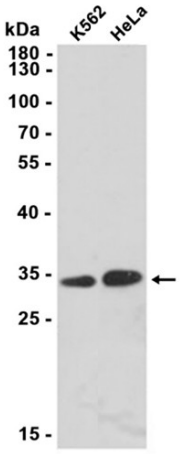
CD8 alpha (DGR11690) Rabbit mAb (PBS Only)

db12047-PBS **Package : 10μg 100μg**

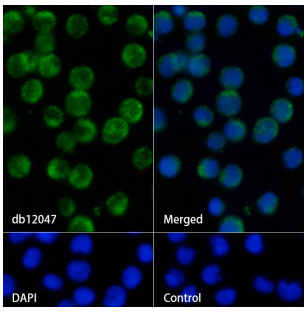
Product Name : CD8 alpha (DGR11690) Rabbit mAb (PBS Only)
Cat.No.: db12047-PBS
Synonyms : CD8; MAL; p32; Leu2
Application : WB, ICC/IF
Reactivity : Human
Host species : Rabbit

Background	The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class I MHC molecules. The coreceptor functions as either a homodimer composed of two alpha chains or as a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 alpha chain. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]
Immunogen	A synthetic peptide of human CD8
Gene ID	925
Swiss Prot	P01732
Synonyms	CD8; MAL; p32; Leu2
Reactivity	Human
Application	WB, ICC/IF
Calculated MW	26 kDa
Observed MW	29 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR11690
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 K562, HeLa cells using db12047 at 1:1000.



Immunofluorescence analysis of Jurkat cells labelling CD8 alpha with db12047.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), 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 db12047 (1:200) 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.