Recombinant DGRmAb®

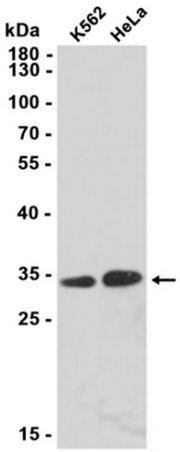
# CD8 alpha (DGR11690) Rabbit mAb

**db12047** **Package : 10μL 20μL 50μL 100μL**

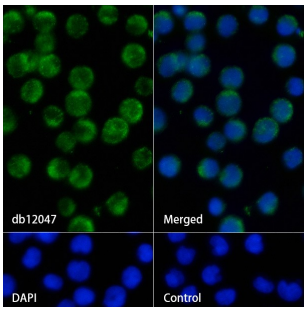
**Product Name :** CD8 alpha (DGR11690) Rabbit mAb
**Cat.No.:** db12047
**Synonyms :** CD8; MAL; p32; Leu2
**Application :** WB, ICC/IF
**Reactivity :** Human
**Host species :** Rabbit

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|---|---|
| **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 |
| **Recommended dilution** | WB: 1:1000<br>ICC/IF: 1:200-1:500 |
| **Calculated MW** | 26 kDa |
| **Observed MW** | 29 kDa |
| **Host species** | Rabbit |
| **Clonality** | Monoclonal |
| **Clonality No.** | DGR11690 |

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|---|---|
| **Isotype** | IgG |
| **Purity** | Affinity Purification |
| **Conjugation** | Un-conjugated |
| **Storage Stability** | Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. 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.