Recombinant DGRmAb®

# CD45 (DGR14623) Rabbit mAb

**db15259** **Package : 10μL 20μL 50μL 100μL**

**Product Name :** CD45 (DGR14623) Rabbit mAb
**Cat.No.:** db15259
**Synonyms :** LCA; LY5; B220; CD45; L-CA; T200; CD45R; GP180
**Application :** WB, IHC-P, IP
**Reactivity :** Human,Mouse
**Host species :** Rabbit

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| **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 mouse CD45 |
| **Gene ID** | 5788 |
| **Swiss Prot** | P06800 |
| **Synonyms** | LCA; LY5; B220; CD45; L-CA; T200; CD45R; GP180 |
| **Reactivity** | Human,Mouse |
| **Application** | WB, IHC-P, IP |
| **Recommended dilution** | WB: 1:1000<br>IHC-P: 1:1000-1:5000<br>IP: 1:20-1:50 |
| **Calculated MW** | 147 kDa |
| **Observed MW** | 180-240 kDa |
| **Host species** | Rabbit |

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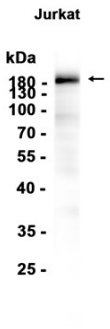
| **Clonality** | Monoclonal |
| **Clonality No.** | DGR14623 |
| **Isotype** | IgG |
| **Purity** | Affinity Purification |
| **Conjugation** | Un-conjugated |
| **Storage Stability** | Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt. |




Western blot analysis of extracts from Jurkat cells using db15259 at 1:1000.