



## CD45 Mouse mAb

db6409 Package : 50μL 100μL

Product Name: CD45 Mouse mAb

Cat.No.: db6409

Synonyms: PTPRC; CD45; Receptor-type tyrosine-protein phosphatase C; Leukocyte common antigen; L-CA;

T200; CD antigen CD45

**Application**: WB, IHC-P **Reactivity**: Human, Mouse **Host species**: Mouse

**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.

Immunogen Purified recombinant fragment of human PTPRC (AA/ 928-989) expressed in E. Coli

Gene ID 5788

Swiss Prot P08575

Synonyms PTPRC; CD45; Receptor-type tyrosine-protein phosphatase C; Leukocyte common antigen; L-CA;

T200; CD antigen CD45

Reactivity Human, Mouse

Application WB, IHC-P

Recommended dilution WB: 1:500-1:1000

IHC: 1:50-1:100

Calculated MW 147 kDa

**Observed MW** 180-240 kDa

Host species Mouse

**Clonality** Monoclonal





Clonality No. 5D3A3

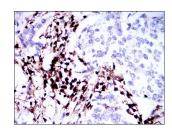
**Isotype** IgG1

**Purity** Affinity Purification

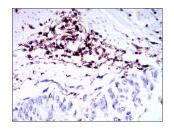
**Conjugation** Un-conjugated

Storage Stability Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA.

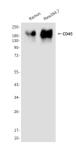
Stable for 12 months from date of receipt.



Immunohistochemistry analysis of paraffin-embedded breast cancer tissues using PTPRC antibody with DAB staining. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemistry analysis of paraffin-embedded esophageal cancer tissues using PTPRC antibody with DAB staining. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of PTPRC antibody in Ramos, Raw264.7 lysates using PTPRC antibody.