Anti-CD45 Mouse mAb

Purified Mouse Monoclonal Antibody

Catalog # M011550

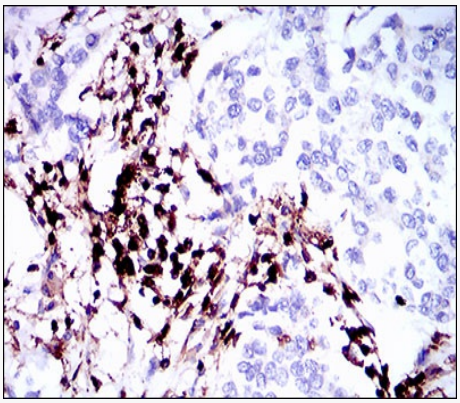
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse (Cell)
Dilution	WB 1:1,000~1:4,000; IHC-P 1:200~1:400
Host	Mouse
Clonality	Monoclonal
Clone No.	85L19L06
Isotype	IgG1
Label	Unconjugated
Immunogen	Purified recombinant fragment of human PTPRC expressed in E. Coli.
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-CD45 antibody [85L19L06] is for research use only and not for use in diagnostic or therapeutic procedures.

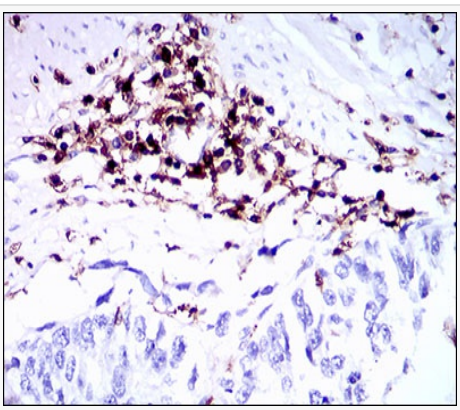
Protein Information

Synonyms	PTPRC, CD45, Receptor-type tyrosine-protein phosphatase C, Leukocyte common antigen, L-CA, T200, CD antigen CD45.
Calculated MW	Calculated MW: 147 kDa; Observed MW: 180-240kDa
Uniprot ID	P08575
Gene ID	5788
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.

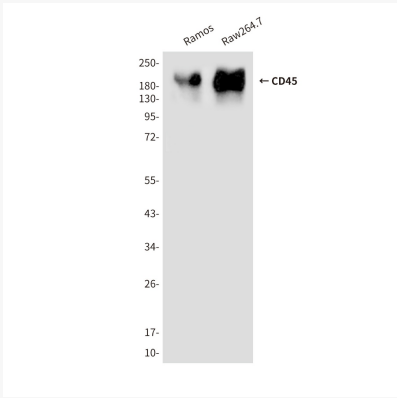
Validation Images



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.