

CD45 antibody
Mouse Monoclonal Antibody (Mab)
Catalog # AD80520**Specification**

CD45 antibody - Product info

Application	IHC
Primary Accession	P08575
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	147486 Da

CD45 antibody - Additional infoGene ID **5788****Other Names**

Receptor-type tyrosine-protein phosphatase C, 3.1.3.48, Leukocyte common antigen, L-CA, T200, CD45, PTPRC ([HGNC:9666](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=9666)), CD45

Dilution

IHC~~1:100~500

Storage

Maintain refrigerated at 2-8°C

Precautions**CD45 antibody is for research use only and not for use in diagnostic or therapeutic procedures.****CD45 antibody - Protein Information****Name** PTPRC ([HGNC:9666](#))**Synonyms****Function****CD45**

Protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor. Acts as a positive regulator of T-cell coactivation upon binding to DPP4. The first PTPase domain has enzymatic activity, while the second one seems to affect the substrate specificity of the first one. Upon T-cell activation, recruits and dephosphorylates SKAP1 and FYN. Dephosphorylates LYN, and thereby modulates LYN activity (By similarity).

Cellular Location**Cell membrane; Single-pass type I**

Tissue Location

membrane protein. Membrane raft
Note=Colocalized with DPP4 in membrane rafts
Isoform 1: Detected in thymocytes. Isoform 2: Detected in thymocytes. Isoform 3: Detected in thymocytes. Isoform 4: Not detected in thymocytes. Isoform 5: Detected in thymocytes. Isoform 6: Not detected in thymocytes. Isoform 7: Detected in thymocytes Isoform 8: Not detected in thymocytes.

CD45 antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD45 antibody - Images