



## 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 info

Gene ID **5788** 

**Other Names** 

Receptor-type tyrosine-protein phosphatase C, 3.1.3.48, Leukocyte common antigen, L-CA, T200, CD45, PTPRC (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=9666" target="\_blank">HGNC:9666</a>), 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)

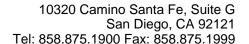
Synonyms CD45
Function Protein tyrosine-protein phosphatase

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
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CD45 antibody - Images