

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

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**CD45 antibody - Product info**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC                    |
| Primary Accession | <a href="#">P08575</a> |
| 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****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**