

**CD45R**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # APA318****Specification**

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**CD45R - Product Information**

Application	IHC
Primary Accession	<a href="#">P08575</a>
Host	Mouse
Clonality	Monoclonal
Calculated MW	147486 Da

**CD45R - Additional Information**

Gene ID	5788
Gene Name	PTPRC ( <a href="#">HGNC:9666</a> )
<b>Other Names</b>	
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 for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.****Precautions****CD45R is for research use only and not for use in diagnostic or therapeutic procedures.****CD45R - 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 membrane protein. Membrane raft**  
**Note=Colocalized with DPP4 in membrane rafts**

Tissue Location

**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.**

### **CD45R - 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](#)

### **CD45R - Images**