

## Product datasheet for **AM32859PU-T**

### CD45 (PTPRC) (CD45RB) Mouse Monoclonal Antibody [Clone ID: PD7/26]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	PD7/26
Applications:	IF, IHC, IP, WB
Recommended Dilution:	<b>ELISA:</b> Use BSA free Antibody for Coating. <b>Western Blot:</b> 0.5-1 µg/ml. <b>Immunoprecipitation:</b> 0.5-1 µg/500 µg protein lysate. <b>Flow Cytometry:</b> 0.5-1 µg/10 <sup>6</sup> cells. <b>Immunofluorescence:</b> 0.5-1 µg/ml. <b>Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections</b> 0.5-1 µg/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. <b>Positive Control:</b> Ramos, U-698, or GA-10 cells, Tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human peripheral blood lymphocytes maintained in T cell growth factor.
Specificity:	Recognizes Human CD45RB. Other species not tested. Along with other CD45 antibodies, antibody from clone PD7/26 is commonly used to identify tumors of lymphoid origin. <b>Cellular Localization:</b> Cell surface and cytoplasmic.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography



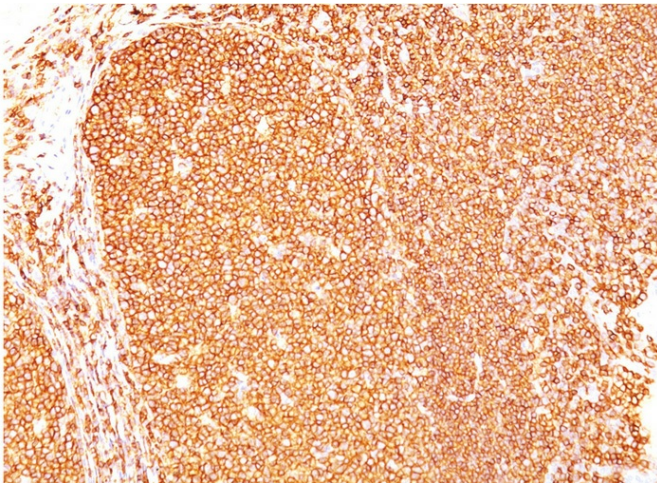
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Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	180-220 kDa
Gene Name:	protein tyrosine phosphatase, receptor type C
Database Link:	<a href="#">Entrez Gene 5788 Human P08575</a>

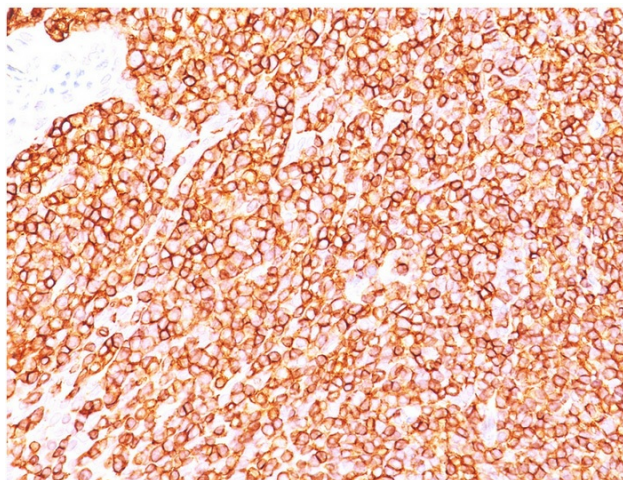
**Background:** CD45, a transmembrane multifunctional glycoprotein, is a member of Type I receptor-linked PTPase family and is expressed as multiple isoforms due to alternative splicing. Expression of these isoforms is highly regulated and shift in this expression determines T-cell activation. CD45RB consists of exon B and is predominantly expressed in naïve T-cells secreting IL-2. Its expression is low in primed/memory T cells, cells that express Th2 cytokines such as IL-4 and IL-10 and population of T-cells with regulatory function. Immunotherapy with CD45RB antibody is being widely studied in transplantation and vaccination.

**Synonyms:** PTPRC, Leukocyte common antigen, L-CA, T200

### Product images:



Formalin-Fixed, Paraffin-Embedded Human tonsil (10X) stained with CD45RB Antibody (Clone PD7/26).



Formalin-Fixed, Paraffin-Embedded Human tonsil (20X) stained with CD45RB Antibody (Clone PD7/26).