

Recombinant CD45RA / LCA (B-Cell Marker) Antibody

Rabbit Monoclonal Antibody [Clone PTPRC/4367R]

Catalog No	Format	Size
5788-RBM37-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5788-RBM37-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5788-RBM37-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

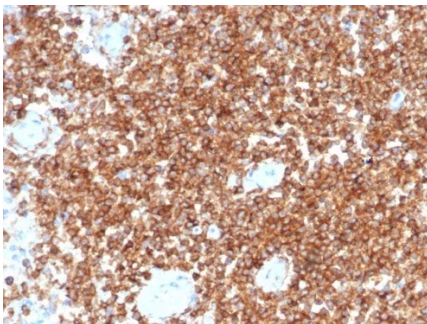
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

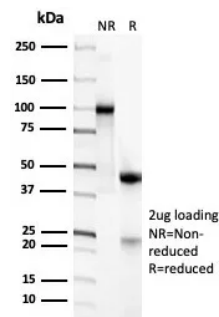
Clone	PTPRC/4367R
Gene Name	PTPRC
Immunogen	Recombinant fragment (around aa1-600) of human PTPRC protein (extracellular domain)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	180-220kDa
Cellular Localization	Cell surface.
Species Reactivity	Human
Positive Control	Human tonsil or lymph node.

*Optimal dilution for a specific application should be determined.

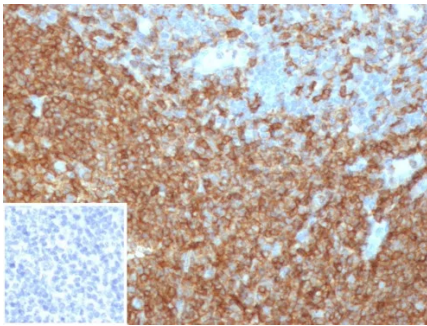
Product Images for Recombinant CD45RA / LCA (B-Cell Marker) Antibody



Formalin-fixed, paraffin-embedded human tonsil stained with CD45RA Recombinant Rabbit Monoclonal Antibody (PTPRC/4367R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified CD45RA Recombinant Rabbit Monoclonal Antibody (PTPRC/4367R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human tonsil stained with CD45RA Recombinant Rabbit Monoclonal Antibody (PTPRC/4367R). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

CD45 is a family of single chain transmembrane glycoproteins, consisting of at least four isoforms which share a common large intracellular domain. Their extracellular domains are rod shaped, heavily glycosylated. The different isoforms are produced by alternative messenger RNA splicing of three exons of a single gene on chromosome 1q31-32. CD45 is exclusively expressed in haematolymphoid cells. Almost all haematolymphoid cells, including precursor cells and mature B- and T-lymphocytes, granulocytes, monocytes/histiocytes and interdigitating reticulum cells and follicular dendritic cells express CD45. This protein is detected in the large majority of haematolymphoid neoplasms, i.e., leukemias and malignant lymphomas. Overall, about 90% of malignant lymphomas are CD45 positive. CD45 is an important marker in the primary tumor screening panel in order to identify haematolymphoid differentiation. Loss of CD45 in precursor B-cell neoplasms is a negative prognostic parameter.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

B Cell Markers, Dendritic Cell Marker, Developmental Biology, Hematopoietic Stem Cells, Immunology, Mesenchymal Stem Cell Differentiation