Recombinant CD45RO / LCA (Activated T-cell Marker) Antibody

Rabbit Monoclonal Antibody [Clone PTPRC/8124R]

Catalog No	Format	Size
5788-RBM47-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5788-RBM47-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5788-RBM47-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

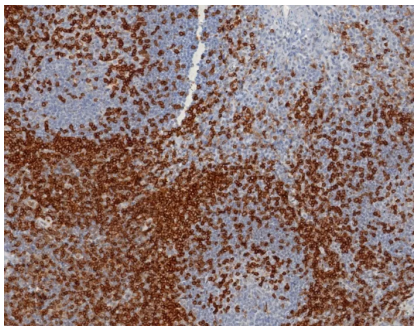
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

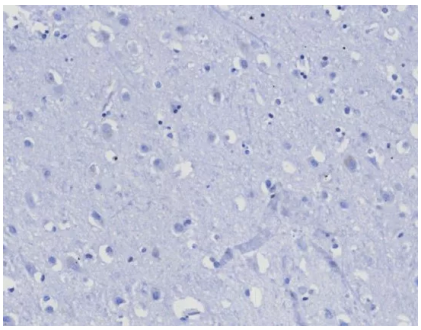
Clone	PTPRC/8124R
Gene Name	PTPRC
Immunogen	Recombinant full-length human PTPRC protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	180-220kDa
Cellular Localization	Cell membrane, Cell surface, Membrane raft
Species Reactivity	Human
Positive Control	Human tonsil or lymph node.

**Optimal dilution for a specific application should be determined.*

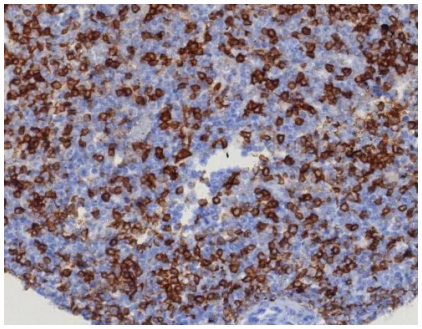
Product Images for Recombinant CD45RO / LCA (Activated T-cell Marker) Antibody



Formalin-fixed, paraffin-embedded human tonsil stained with CD45RO Recombinant Rabbit Monoclonal Antibody (PTPRC/8124R). HIER: Tris/EDTA, pH9.0, 45min. 2: HRP-polymer, 30min. DAB, 5min.



IHC analysis of formalin-fixed, paraffin-embedded human brain. Negative tissue control using PTPRC/8124R at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2: HRP-polymer, 30min. DAB, 5min.



Formalin-fixed, paraffin-embedded human tonsil stained with CD45RO Recombinant Rabbit Monoclonal Antibody (PTPRC/8124R). HIER: Tris/EDTA, pH9.0, 45min. 2: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

Recognizes a 180-185kDa protein, identified as isoform of leukocyte common antigen (CD45RO). The epitope recognized by this antibody is sensitive to neuraminidase digestion. This antibody reacts with mature activated T-cells, most thymocytes, and a sub-population of resting T-cells within both CD4 and CD8 subsets. It shows no reactivity with normal B or natural killer cells, but reacts with granulocytes and monocytes. Reportedly, it is useful to identify T-cell lymphomas and leukemias. It rarely stains NK cells or B-cell lymphomas.

Supplied As

200ug/ml of Ab produced in CHO cell mammalian-based expression system. 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

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.