Recombinant CD45RA / LCA (B-Cell Marker) Antibody

Rabbit Monoclonal Antibody [Clone MSVA-045R]

Catalog No	Format	Size
5788-RBM63-P0	Purified Ab with BSA and Azide	20 ug
5788-RBM63-P1	Purified Ab with BSA and Azide	100 ug

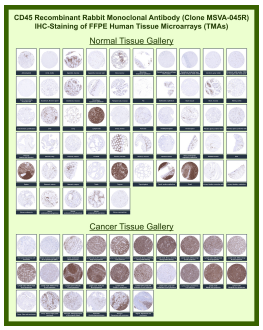
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1:100-1:200	Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:150 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions.

Product Details

Clone	MSVA-045R
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 membrane
Species Reactivity	Human
Positive Control	Tonsil: All lymphocytes and histiocytes must show a strong membranous CD45 staining.

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

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



Receptor-type tyrosine-protein phosphatase C Rabbit Recombinant Monoclonal Antibody (MSVA-045R) tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

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.

Supplied As

Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

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.