

Datasheet for ABIN3024394
anti-CD45RB antibody



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1 Image

Overview

Quantity:	100 µg
Target:	CD45RB
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD45RB antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Extract from the hepatoma cell line L428 was used as immunogen for this CD45RB antibody.
Clone:	DF-B1
Isotype:	IgG3 kappa
Purification:	Protein G affinity chromatography

Target Details

Target:	CD45RB
Alternative Name:	CD45RB (CD45RB Products)
Background:	CD45R, also designated CD45 and PTPRC, has been identified as a transmembrane glycoprotein, broadly expressed among hematopoietic cells. Multiple isoforms of CD45R are distributed throughout the immune system according to cell type. These isoforms arise

Target Details

because of alternative splicing of exons 4, 5, and 6. The corresponding protein domains are characterized by the binding of monoclonal antibodies specific for CD45RA (exon 4), CD45RB (exon 5), CD45RC (exon 6) and CD45RO (exons 4 to 6 spliced out). The variation in these isoforms is localized to the extracellular domain of CD45R, while the intracellular domain is conserved. CD45RB is expressed on mature B-lymphocytes and the majority of lymphomas and leukemias of B-cell origin. This antigen is also expressed on the surface of cells of myeloid lineage.

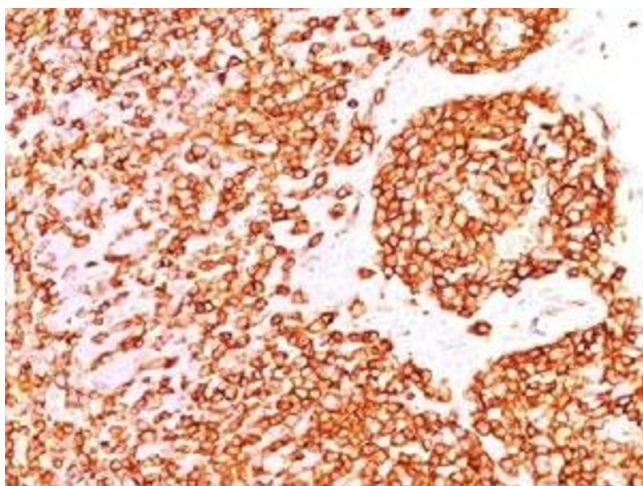
Application Details

Application Notes:	Due to variation in protocol and secondary antibody used, the CD45RB antibody may need to be titrated for optimal performance. 1. FFPE staining requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. 2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Flow Cytometry: 0.5-1 µg/million cells,Immunofluorescence: 0.5-1 µg/mL,Immunohistology (FFPE): 0.5-1.0 µg/mL for 30 minutes at RT (1),Prediluted format : incubate for 30 min at RT (2)
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Restrictions:	For Research Use only
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Handling

Concentration:	1 mg/mL
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	The CD45RB antibody (with azide) can be stored at 2-8°C. The azide-free format should be aliquoted and stored at -20°C or colder.



Immunohistochemistry

Image 1. IHC test of FFPE human tonsil probed with CD45RB antibody