

Datasheet for ABIN7651590

Recombinant anti-CD45RB antibody (CF®647)



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Overview

Quantity:	100 µL
Target:	CD45RB
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CD45RB antibody is conjugated to CF®647
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	CD45RB (B-Cell Marker)(rPTPRC/1132), CF647 conjugate
Immunogen:	Recombinant full-length human CD45RB protein
Clone:	RPTPRC-1132
Isotype:	IgG1, kappa
Characteristics:	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 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

Product Details

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. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	CD45RB
Alternative Name:	CD45RB
Background:	Synonyms: B220, CD45R, GP180, Leukocyte common antigen (LCA), Loc, Ly-5, Lyt-4, Protein tyrosine phosphatase receptor type C (PTPRC), Receptor-type tyrosine-protein phosphatase C, T200 glycoprotein Gene Symbol: PTPRC Tissue Expression: B-cells
Molecular Weight:	180-220 kDa
Gene ID:	5788
UniProt:	P08575

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Positive Control: Raji, Ramos, U-698 or GA-10 cells. Tonsil and Spleen.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL
Buffer:	PBS, 0.1 % BSA, 0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Handling Advice:	Protect from light
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Storage:	4 °C
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Storage Comment:	Stable at room temperature or 37°C for 7 days. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
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Expiry Date:	24 months
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