

CD45RB Antibody [clone BRA-11] (V8048)

Catalog No.	Formulation	Size
V8048CF488-100T	500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 Tests

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Availability	1-3 business days
Species Reactivity	Human
Format	CF488 Conjugate
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	BRA-11
Purity	Protein G affinity chromatography
UniProt	P08575
Localization	Cell surface, cytoplasmic
Applications	Flow Cytometry : 5ul per test per one 10 ⁶ cells in 0.1ml or 5ul per 100ul of whole blood Immunofluorescence : 1:50-1:100
Limitations	This CD45RB antibody is available for research use only.



Description

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 isoforms is localized to the extracellular domain of CD45R, while the intracellular domain is conserved. CD45R functions as a phosphor-tyrosine phosphatase. Antibody to CD45 is useful in differential diagnosis of lymphoid tumors from non-hematopoietic undifferentiated neoplasms.

Application Notes

Optimal dilution of the CD45RB antibody should be determined by the researcher.

Immunogen

The non-T, non-B CALLA positive ALL cell line REH (Leucocyte Workshop IV and V) was used as the immunogen for this antibody.

Storage

Store the CD45RB antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).