

CD45RB Antibody [clone BRA-11] (V2245)

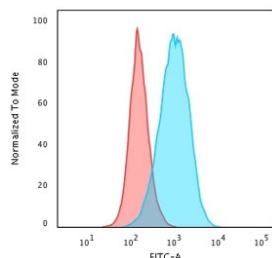
Catalog No.	Formulation	Size
V2245-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2245-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2245SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2245IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml



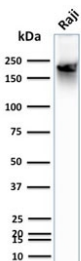
Citations (3)

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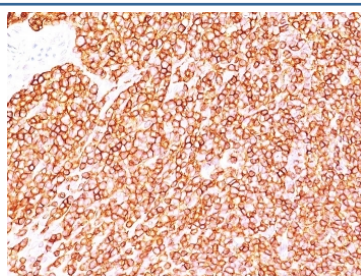
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	BRA-11
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	5788 (Human)
Localization	Cell surface and cytoplasmic
Applications	Flow Cytometry : 1-2ug/10 ⁶ cells Immunofluorescence : 1-3ug/ml Western Blot : 2-4ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This CD45RB antibody is available for research use only.



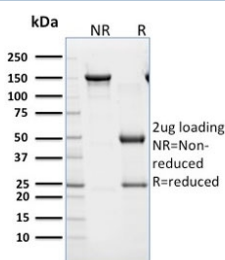
Flow cytometry staining of PFA-fixed human Raji cells with CD45RB antibody (clone BRA-11); Red=isotype control, Blue= CD45RB antibody.



Western blot testing of CD45RB antibody and human Raji lysate. Expected molecular weight: 147-220 kDa depending on glycosylation level.



IHC staining of FFPE human tonsil tissue with CD45RB antibody (clone BRA-11). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free CD45RB antibody (clone BRA-11) as confirmation of integrity and purity.

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 CD45R is useful in differential diagnosis of lymphoid tumors from non-hematopoietic undifferentiated neoplasms.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titrated up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM 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.

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

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.

References (2)