

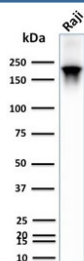
## Recombinant CD45RB Antibody [clone PTPRC/2877R] (V7331)

Catalog No.	Formulation	Size
V7331-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7331-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7331SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7331IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

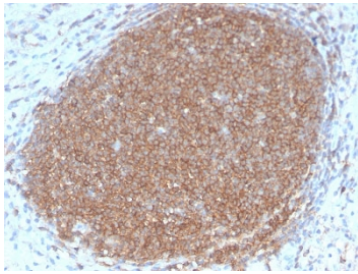
Recombinant **RABBIT MONOCLONAL**

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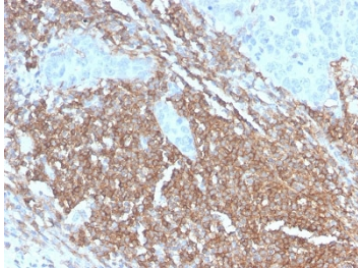
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Recombinant Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG, kappa
<b>Clone Name</b>	PTPRC/2877R
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P08575
<b>Localization</b>	Cell surface and cytoplasmic
<b>Applications</b>	Flow Cytometry : 1-2ug/10 <sup>6</sup> cells Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This recombinant CD45RB antibody is available for research use only.



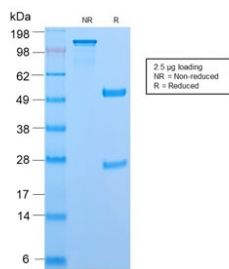
Western blot testing of recombinant CD45RB antibody and human Raji lysate. Expected molecular weight: 147-220 kDa depending on glycosylation level.



IHC staining of FFPE human lymph node with recombinant CD45RB antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



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SDS-PAGE analysis of purified, BSA-free recombinant CD45RB antibody (clone PTPRC/2877R) 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. 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 Notes

Due to variation in protocol and secondary antibody used, the recombinant CD45RB antibody may need to be titrated for optimal performance.

1. 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

Full length recombinant human protein was used as immunogen for this recombinant CD45RB antibody.

## Storage

The recombinant 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)