

Product Datasheet

PTPRC Antibody (orb1252710)

Catalog Number	orb1252710
Category	Antibodies
Description	PTPRC Antibody
Target	PTPRC
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG2a, kappa
Conjugation	Unconjugated
Reactivity	Human
Form/Appearance	Liquid
Concentration	0.2 mg/mL
Buffer/Preservatives	PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein G affinity chromatography
Immunogen	Stimulated human leukocytes were used as the immunogen for this CD45RA antibody.
UniProt ID	P08575
Tested applications	FC, IF, IHC, WB

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Application notes

Flow Cytometry: 0.5-1 ug/million cells
IF: 1-2 µg/mL
IHC (FFPE): 0.5-1 µg/mL for 30 minutes at RT (1)
Prediluted format : incubate for 30 min at RT (2)
The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CD45RA antibody to be titered 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.

Antibody Type

Primary Antibody

Clone Number

158-4D3

Modifications

None

Storage

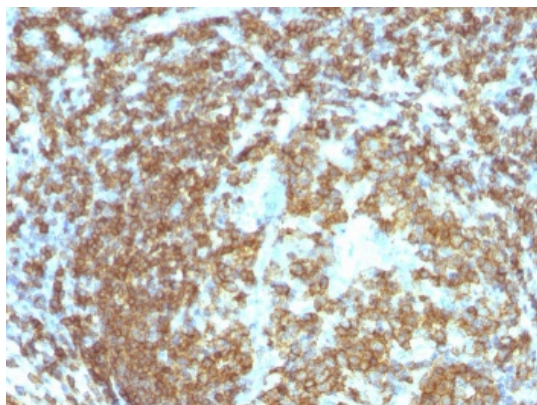
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note

For research use only

Expiration Date

12 months from date of receipt.



IHC staining of FFPE human tonsil with CD45RA antibody (clone 158-4D3). HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

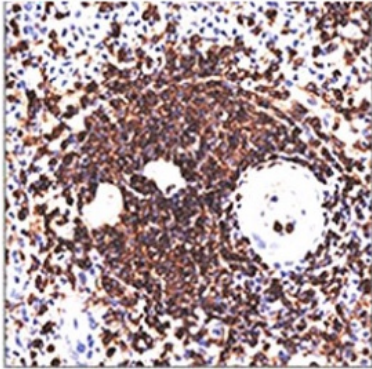
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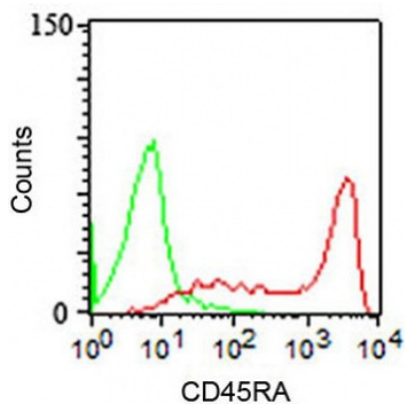
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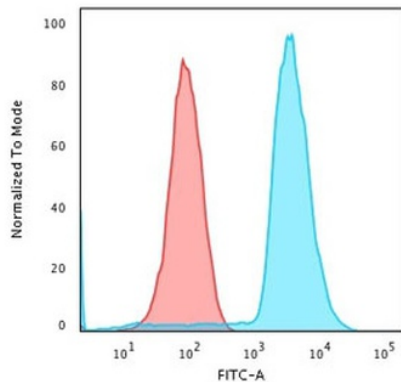
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IHC staining of FFPE human spleen with CD45RA antibody (clone 158-4D3). HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



FACS surface staining of human PBMCs using CD45RA antibody (clone 158-4D3, red), and isotype control (green).



Flow cytometry testing of human Jurkat cells with CD45RA antibody (clone 158-4D3); Red = isotype control, Blue = CD45RA antibody.

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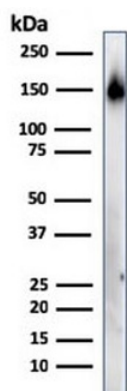
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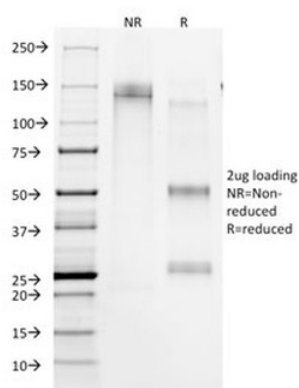
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Western blot testing of human spleen lysate with CD45RA antibody (clone 158-4D3). Expected molecular weight: 147-220 kDa depending on glycosylation level.



SDS-PAGE analysis of purified, BSA-free CD45RA antibody (clone 158-4D3) as confirmation of integrity and purity.

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