abcam

Product datasheet

Anti-CD45RA antibody [F8-11-13] ab59168

[1 Image](#)

Overview

Product name	Anti-CD45RA antibody [F8-11-13]
Description	Mouse monoclonal [F8-11-13] to CD45RA
Host species	Mouse
Specificity	ab59168 recognises the human CD45RA cell surface antigen.
Tested applications	**Suitable for:** IHC-P
Species reactivity	**Reacts with:** Human, Rhesus monkey
Immunogen	Tissue, cells or virus corresponding to Human CD45RA. Human T lymphocytes
Positive control	Human tonsil tissue.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.
	If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	pH: 7.20 Preservative: 0.09% Sodium azide Constituent: PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	F8-11-13
Isotype	IgG1

Applications

The Abpromise guarantee   Our **Abpromise guarantee** covers the use of ab59168 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		

Application notes   Flow Cyt: 1/50 - 1/100. Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.
IHC-P: 1/200. Do not perform antigen retrieval.
IHC-Fr: Use at an assay dependent dilution.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

Target

Function   Protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor. Acts as a positive regulator of T-cell coactivation upon binding to DPP4. The first PTPase domain has enzymatic activity, while the second one seems to affect the substrate specificity of the first one. Upon T-cell activation, recruits and dephosphorylates SKAP1 and FYN. Dephosphorylates LYN, and thereby modulates LYN activity.

Involvement in disease   Severe combined immunodeficiency autosomal recessive T-cell-negative/B-cell-positive/NK-cell-positive
Multiple sclerosis

Sequence similarities   Belongs to the protein-tyrosine phosphatase family. Receptor class 1/6 subfamily.
Contains 2 fibronectin type-III domains.
Contains 2 tyrosine-protein phosphatase domains.
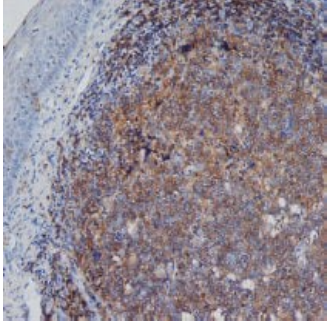
Domain   The first PTPase domain interacts with SKAP1.

Post-translational modifications   Heavily N- and O-glycosylated.

Cellular localization   Membrane. Membrane raft. Colocalized with DPP4 in membrane rafts.

Images

Immunohistochemical analysis of formalin fixed, paraffin embedded human tonsil using ab59168 at a dilution of 1/50.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD45RA antibody [F8-11-13] (ab59168)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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