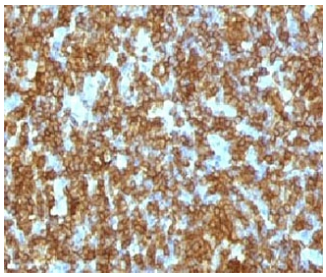
Anti-CD45RA Antibody [clone CDLA45RA-1] (V7071)

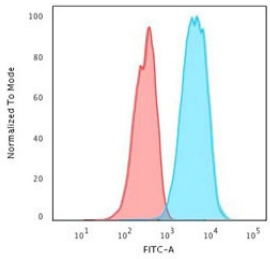
Catalog No.	Formulation	Size
V7071-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7071-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7071SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7071IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

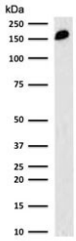
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	CDLA45RA-1
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
UniProt	P08575
Localization	Cell surface
Applications	Western blot: 1-2ug/ml Flow cytometry: 0.5-1ug/million cells Immunofluorescence: 1-2 ug/ml Immunohistology (FFPE): 0.5-1.0ug/ml for 30 min at RT Prediluted IHC only format: incubate for 30 min at RT (1)
Limitations	This anti-CD45RA antibody is available for research use only.



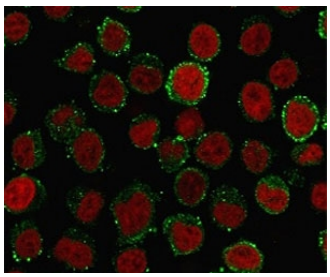
IHC testing of FFPE human tonsil and anti-CD45RA antibody (clone CDLA45RA-1). HIER: boil sections in pH6 10mM citrate buffer for 10-20 minutes, followed by cooling at RT for 20 minutes, prior to staining.



Flow cytometry testing of PFA-fixed human Jurkat cells with CD45RA antibody (clone CDLA45RA-1); Red=isotype control, Blue= CD45RA antibody.



Western blot testing of human spleen lysate with CD45RA antibody (clone CDLA45RA-1). Expected molecular weight: 147-220 kDa depending on glycosylation level.



Immunofluorescence staining of PFA-fixed human Jurkat cells with CD45RA antibody (clone CDLA45RA-1, green) and Reddot nuclear stain (red).

Description

CD45RA is an isoform of the human leukocyte common antigen (CD45). Human CD45 contains three exons which encode peptide segments designated A, B and C, respectively. The differential splicing of the exons generates at least five isoforms, ABC, AB, BC, B and O. CD45RA is expressed on 40-50% of peripheral CD4+ T-cells, 50% of peripheral CD8+ T-cells, B-cells, and leukemic B-cell lines. T-cells expressing CD45RA are naive or virgin T-cells. T-cells expressing CD45RO are memory T-cells. CD45RA and CD45RO define complementary, predominantly non-overlapping populations of resting peripheral T-cells.

CD45RA is an alternatively spliced form of PTPRC widely studied in lymphocyte differentiation and immune cell phenotyping; learn more about the target and related reagents on our CD45RA Antibody page.

Application Notes

Titering of the anti-CD45RA antibody may be required 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

Recombinant human protein was used as immunogen for this anti-CD45RA antibody.

Storage

The anti-CD45RA antibody (with azide) can be stored at 2-8oC. The azide-free format should be aliquoted and stored at -20oC or colder.

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