

Datasheet for ABIN6940446

anti-CD45 antibody

5 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD45 (PTPRC)
Reactivity:	Human, Marmoset, Chimpanzee
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD45 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (IF), Staining Methods (StM)

Product Details

Immunogen:	Cultured human T-cells from an IL-2-dependent T-cell line (CA1)
Clone:	UCHL-1
Isotype:	IgG2a kappa
Specificity:	Recognizes a 180-185 kDa protein, identified as isoform of leukocyte common antigen (CD45RO) (4th Leucocyte Typing Workshop: Code No. N31). The epitope recognized by this antibody is sensitive to neuraminidase digestion. This antibody reacts with mature activated T-cells, most thymocytes, and a sub-population of resting T-cells within both CD4 and CD8 subsets. It shows no reactivity with normal B or natural killer cells, but reacts with granulocytes and monocytes. Reportedly, it is useful to identify T-cell lymphomas and leukemias. It rarely stains NK cells or B-cell lymphomas.
Purification:	Purified by Protein A/G

Target Details

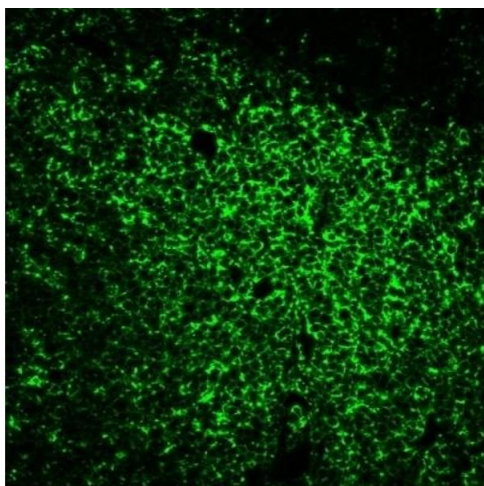
Target:	CD45 (PTPRC)
Alternative Name:	PTPRC (PTPRC Products)
Molecular Weight:	180-185kDa
Gene ID:	5788
UniProt:	P08575
Pathways:	TCR Signaling , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , CXCR4-mediated Signaling Events , BCR Signaling

Application Details

Application Notes:	<p>Positive Control: CCRF-CEM, Jurkat or MOLT-4 cells. Paracortex in a tonsil or a reactive lymph node.</p> <p>Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (0.25-0.5 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.</p>
Restrictions:	For Research Use only

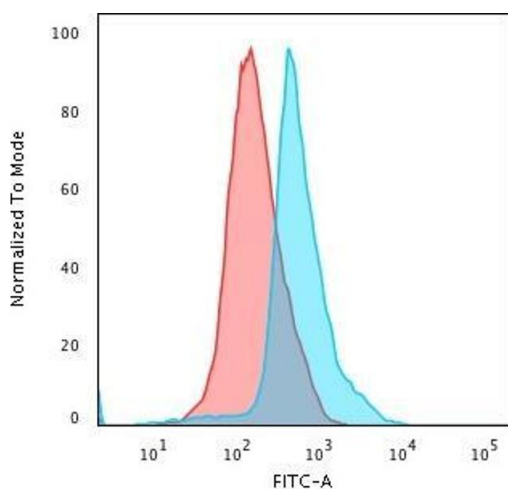
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



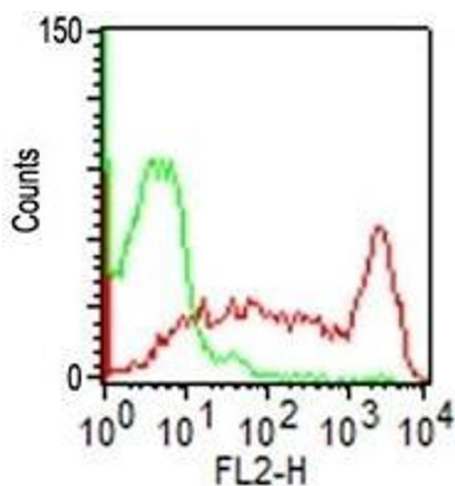
Immunofluorescence

Image 1. Immunofluorescence Analysis of human tonsil FFPE section stained with anti-CD45RO (UCHL-1) and goat anti-mouse HRP, detected using CF488A tyramide in Tyramide Amplification Buffer Plus.



Flow Cytometry

Image 2. Flow Cytometric Analysis of PFA-fixed Jurkat cells using CD45RO Monoclonal Antibody (UCHL-1) followed by Goat anti-Mouse-IgG-CF488 (Blue); Isotype Control (Red).



Flow Cytometry

Image 3. Flow Cytometry of hPBMC using CD45RO Monoclonal Antibody (UCHL-1).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6940446.