

# Product Datasheet

## CD45RO Antibody (UCHL-1)

### NBP2-29631

Unit Size: 0.1 mg

Store at 4C.

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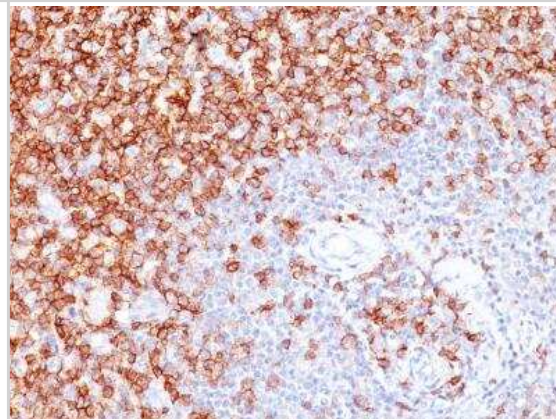
**NBP2-29631**

CD45RO Antibody (UCHL-1)

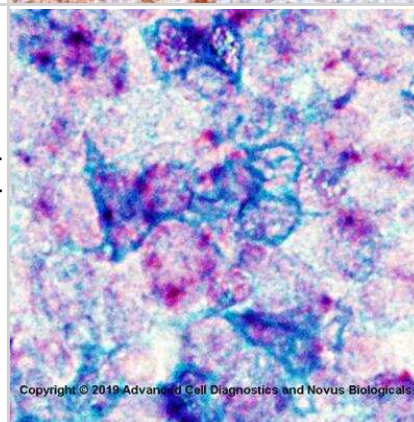
Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	UCHL-1
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-33104)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	5788
Gene Symbol	PTPRC
Species	Human, Chimpanzee, Monkey
Reactivity Notes	Common Marmoset
Marker	T-Cell Marker
Specificity/Sensitivity	Recognizes a 180-185kDa 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.
Immunogen	Cultured human T-cells from an IL-2-dependent T-cell line (CA1)
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Dual RNAscope ISH-IHC
Recommended Dilutions	Flow Cytometry 1-2 ug/million cells, Immunohistochemistry 0.5-1ug/ml, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 0.25-0.5 ug/ml, Dual RNAscope ISH-IHC
Application Notes	Immunohistochemistry (Formalin-fixed): 0.25-0.5ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

## Images

Immunohistochemistry-Paraffin: CD45RO Antibody (UCHL-1) [NBP2-29631] - Staining of human tonsil

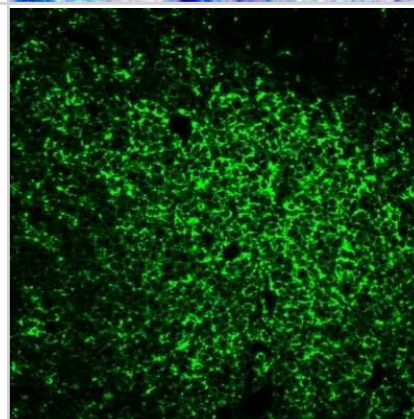


Dual RNAscope ISH-IHC: CD45RO Antibody (UCHL-1) [NBP2-29631] - Formalin-fixed paraffin-embedded tissue sections of human tonsil were probed for CD45 mRNA (ACD RNAscope probe, catalog # 601991; Fast Red chromogen, ACD catalog # 322500) followed by immunohistochemistry using mouse monoclonal (Novus catalog # NBP2-29631) at 5ug/mL for 1 hour at room temperature and detection with anti-mouse IgG VisUCyte HRP Polymer Antibody (R&D Systems Catalog # VC001) and green HRP chromogen (ACD Catalog # 322500).

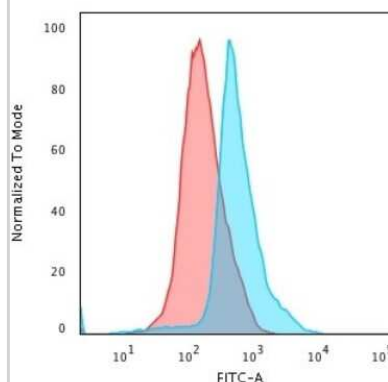


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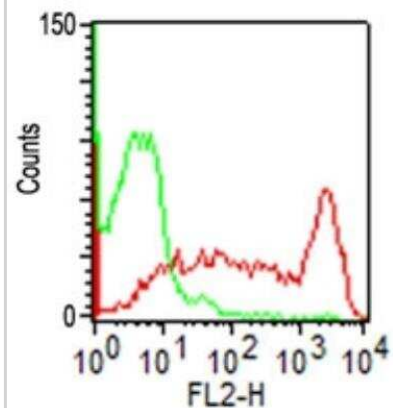
Immunocytochemistry/Immunofluorescence: CD45RO Antibody (UCHL-1) [NBP2-29631] - Immunofluorescence Analysis of human tonsil FFPE section stained with CD45RO antibody (UCHL-1) and goat anti-mouse HRP, detected using CF488A tyramide in Tyramide Amplification Buffer Plus.



Flow Cytometry: CD45RO Antibody (UCHL-1) [NBP2-29631] - Flow Cytometric Analysis of PFA-fixed Jurkat cells using CD45RO Antibody (UCHL-1) followed by Goat anti- Mouse- IgG-CF488 (Blue); Isotype Control (Red).



Flow Cytometry: CD45RO Antibody (UCHL-1) [NBP2-29631] - CD45RO expression by lymphocyte gated population of PBMC: PBMC were stained either with purified CD45RO antibody (0.5 ug/10<sup>6</sup> cells) or isotype control following surface staining protocol. PE-conjugated goat anti-mouse IgG, secondary antibody used to identify the positive staining on PPI negative lymphocyte gated population.





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### **Products Related to NBP2-29631**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
210-TA-005	TNF-alpha [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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