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36-1612: Monoclonal Antibody to CD45RO (T-Cell Marker)(Clone: UCHL-1)

Clonality: Monoclonal **Clone Name:** UCHL-1 FACS.IF.IHC Application: Reactivity: Human Gene: PTPRC Gene ID: 5788 **Uniprot ID:** P08575 **Purified** Format: **Alternative Name:** PTPRC,CD45

Isotype: Mouse IgG2a, kappa

Immunogen Information: Cultured human T-cells from an IL-2-dependent T-cell line (CA1)

Description

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.

Product Info

Amount: $100 \mu g$

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

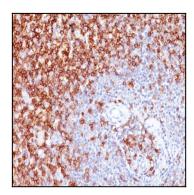
toxic.

Storage condition : Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); 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 95°C followed by cooling at RT for 20 minutes);

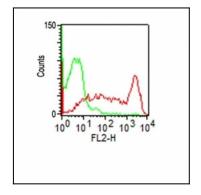


Formalin-fixed, paraffin-embedded human Tonsil stained with CD45RO Monoclonal Antibody (UCHL-1).



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