

**CD45RO (T-Cell Marker) Ab-1**

Catalog # MS-112-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200ug/ml)

Catalog # MS-112-R7 (7.0ml)

Catalog # MS-112-PCS

**INTENDED USE:**

- **For In Vitro Diagnostic Use:** This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
- **Description:** CD45RO (an isoform of leukocyte common antigen) is expressed on most thymocytes, monocytes, macrophages and granulocytes. It is not expressed on normal B lymphocytes. Intrathymic T cell maturation progresses from CD45RA-/CD45RO+ to CD45RA+/CD45RO-; while peripheral T cell maturation progresses from CD45RA+/CD45RO- to CD45RA-/CD45RO+.
- **Expected Staining Pattern:** Cell Membrane
- **Positive Control:** Tonsil or lymph node

**MATERIALS PROVIDED:**

**CD45RO (T-Cell Marker) Ab-1 (refer to catalog number):**

- #MS-112-P (or -P0, -P1): 200ug/ml of antibody purified from ascites. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide.  
or
- #MS-112-R7: (7.0ml) of antibody prediluted in 0.05mol/L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide.  
or
- #MS-112-PCS: 5 positive control slides.
- **Antibody Concentration:** 200ug/ml
- **Host:** Mouse
- **Mol. Wt. of Antigen:** 180kDa
- **Epitope:** Not determined
- **Species Reactivity:** Human, Rhesus Monkey, and Chimpanzee. Does not react with rat. Others-not known.
- **Clone Designation:** UCHL-1
- **Ig Isotype / Light Chain:** IgG2a / kappa
- **Immunogen:** Interleukin-2-dependent human T lymphocytes
- **Microbiological State:** This product is not sterile.

**MATERIALS REQUIRED, BUT NOT PROVIDED:**

- **Antibody Diluent:** For concentrated antibodies, the antibody must be diluted before using. Use Lab Vision Antibody Diluent (catalog # TA-125-UD). Refer to diluent product instructions for use.
- **Negative Control Reagent:** Refer to the "General Protocol" instructions.
- **Visualization System:** Refer to the "General Protocol" instructions.

**METHODS AND PROCEDURES:**

<b>Specimen Preparation</b>	Refer to the "General Protocol" instructions.
<b>Dilution of Concentrated Antibody</b>	1:100-1:200 in antibody diluent
<b>Tissue Section Pretreatment</b>	No special pretreatment is required for immuno-histochemical staining of formalin-fixed tissues.
<b>Primary Antibody Incubation Time</b>	30 minutes at Room Temperature
<b>Visualization</b>	To detect antibody, follow the instructions provided with the visualization system.

**STORAGE and STABILITY:**

This product contains sodium azide and is stable for 24 months when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.

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**REFERENCES:**

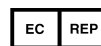
- 1) Smith S H, et. al. (1986) Immunology, 58:63-70.
- 2) Leukocyte Typing III, p225-227.
- 3) Akbar A. N, et. al. (1988) J Immunol, 140:2171-2178.
- 4) Nature, 360:264-265.

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