



Mouse anti CD45RO Monoclonal Antibody

Alternative Name(s): CD45RO

Order Information

- **Description:** CD45RO
- **Catalogue:** 605-420
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** UCHL1
- **Application:** IHC(P), FC
- **Reactivity:** Hu

ANTIGEN PREPARATION

Enriched cell membrane of human PBMC

BACKGROUND

CD45 leucocyte common antigen (LCA) belongs to the family of membrane glycoproteins expressed on hematopoietic cell lines but absent on non-hematopoietic cell lines, normal and malignant non-hematopoietic tissues. This protein is a member of the protein tyrosine phosphatase (PTP) family. CD45 can exist in at least nine different isoforms resulting from tissue-specific alternative RNA splicing of exons 4-7 of a single gene coding for the various N-terminal peptide segments. CD45RO, splice variant of CD45, is the shortest CD45 isoform, which lacks all three of the A, B, and C regions. It is a 180 kD single chain membrane glycoprotein. Activated and memory T lymphocytes express CD45RO. CD45RO+ memory tumor-infiltrating lymphocytes show major prognostic impact in various malignancies

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human CD45RO protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: 0.5-5 µg/106 cells
- Molecular Weight: 180.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

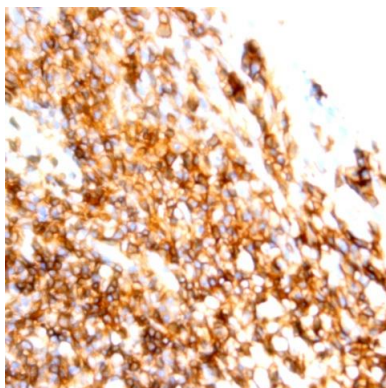
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: Human Tonsil (FFPE) stained with Mouse anti-CD45RO (Cat# 605-420) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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