# CD45RA (Leucocyte Marker) Antibody

Mouse Monoclonal Antibody [Clone MSVA-472M]

| Catalog No | Format | Size |
|---|---|---|
| 5788-MSM64-P0 | Purified Ab with BSA and Azide | 20 ug |
| 5788-MSM64-P1 | Purified Ab with BSA and Azide | 100 ug |

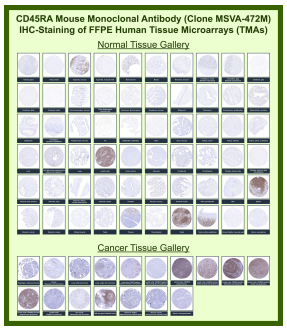
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1:100-1:200 | Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:150 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions. |

## Product Details

| | |
|---|---|
| **Clone** | MSVA-472M |
| **Immunogen** | Stimulated human leukocytes |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG2a / Kappa |
| **Mol. Weight of Antigen** | 205-220kDa |
| **Cellular Localization** | Cell membrane, Membrane raft |
| **Species Reactivity** | Human |
| **Positive Control** | Tonsil: A strong membranous CD45RA immunostaining should be seen in the majority of lymphocytes. |

**Optimal dilution for a specific application should be determined.*

## Product Images for CD45RA (Leucocyte Marker) Antibody




Receptor-type tyrosine-protein phosphatase C Mouse Monoclonal Antibody (MSVA-472M) tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

## Specificity & Comments

Recognizes a protein of 205kDa-220kDa, identified as CD45RA. CD45RA is isoforms of the human leukocyte common antigen (CD45). Human CD45 contains three exons which encode peptide segments designated A, B and C, respectively. The differential splicing of the exons generates at least five isoforms, ABC, AB, BC, B and O. This antibody reacts with ABC and BC isoforms. CD45RA is expressed on 40-50% of peripheral CD4+ T-cells, 50% of peripheral CD8+ T-cells, B-cells, and leukemic B-cell lines. T-cells expressing CD45RA are naive or virgin T-cells. T-cells expressing CD45RO are memory T-cells. CD45RA and CD45RO define complementary, predominantly non-overlapping populations of resting peripheral T-cells. This MAb is useful in study on the subpopulation of CD4+ or CD8+ T-cells. It can especially be used to differentiate T-cell lymphomas (CD45RO +ve) from B cell lymphomas (CD45RA +ve).

## Supplied As

Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

## Storage and Stability

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.

## Research Areas

Autophagy, B Cell Markers, Cancer, Dendritic Cell Marker, Developmental Biology, Hematopoietic Stem Cells, Immuno Oncology, Immunology, Mesenchymal Stem Cell Differentiation

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.