# CD81 / TAPA-1 Antibody

Mouse Monoclonal Antibody [Clone 1.3.3.22]

| Catalog No | Format | Size |
|---|---|---|
| 975-MSM1-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 975-MSM1-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 975-MSM1-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

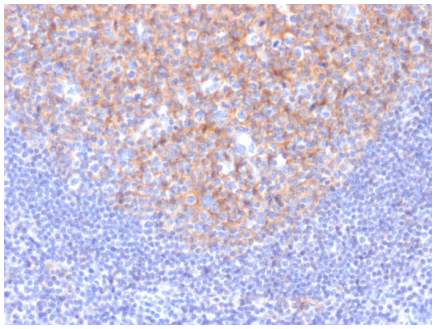
| Applications | Tested Dillution | Note |
|---|---|---|
| Flow Cytometry (Flow) | 1-2ug/million cells | |
| Immunofluorescence (IF) | 1-3ug/ml | |
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB) | 2-4ug/ml | |

## Product Details

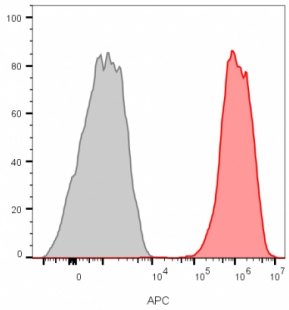
| | |
|---|---|
| **Clone** | 1.3.3.22 |
| **Gene Name** | CD81 |
| **Immunogen** | Recombinant full-length human CD81 protein |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG1 / Kappa |
| **Mol. Weight of Antigen** | 26kDa |
| **Cellular Localization** | Basolateral cell membrane, Cell membrane |
| **Species Reactivity** | Human, Mouse, Rat |
| **Positive Control** | Daudi or Jurkat cells. Human lymphocytes. Human tonsil or liver., MCF-7, Ramos |

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

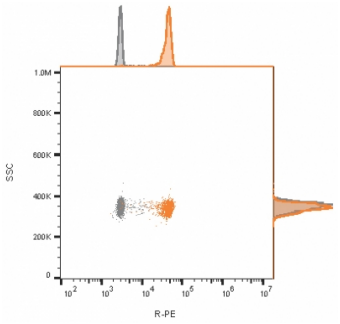
## Product Images for CD81 / TAPA-1 Antibody



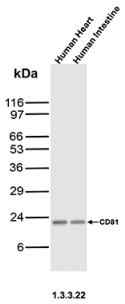
Formalin-fixed, paraffin-embedded human Tonsil stained with CD81 Mouse Monoclonal Antibody (1.3.3.22).



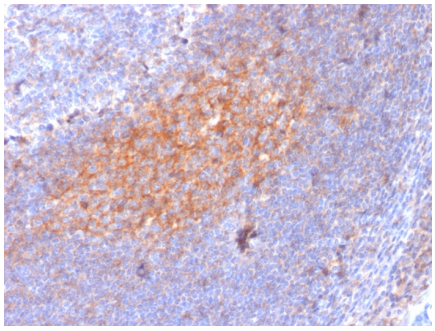

Flow cytometry analysis of MCF-7 cells unstained (gray) or stained with CD81 mouse monoclonal antibody (1.3.3.22) and goat anti-mouse CF647 (red).




Flow cytometry analysis of bead-bound exosomes derived from MCF-7 cells. Unstained exosomes (gray) or exosomes stained with CF568-labeled CD81 monoclonal antibody (1.3.3.22) (orange).




Western blot analysis of human heart and intestine tissue lysates using CD81 Mouse Monoclonal Antibody (1.3.3.22).



Formalin-fixed, paraffin-embedded human Lymph Node stained with CD81 Mouse Monoclonal Antibody (1.3.3.22).

## Specificity & Comments

Recognizes a protein of 26kDa, identified as CD81 (Workshop VI; Code CD81.1)). CD81 has a very broad cellular distribution, being expressed on T- and B-lymphocytes, NK cells, thymocytes, eosinophils, fibroblasts, epithelial and endothelial cells. Neutrophils, erythrocytes and platelets are negative, while monocytes are variably positive. CD81 is a member of a family of tetraspans transmembrane proteins, including CD9, CD37, CD53, CD63, and CD82. It associates with CD19, CD21, Leu 13, and integrins on cell membrane and is involved in signal transduction in B lymphocyte development and cell adhesion. CD81 also acts as a receptor for the envelope protein E2 of chronic hepatitis C virus. Antibodies to CD81 have anti-proliferative effects on different lymphoid cell lines, particularly those derived from large cell lymphomas.

## Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## 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

Cardiovascular, Complement System, Immunology

## 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.