Recombinant CD81 / TAPA-1 Antibody

Mouse Monoclonal Antibody [Clone rC81/3442]

Catalog No	Format	Size
975-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
975-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
975-MSM3-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

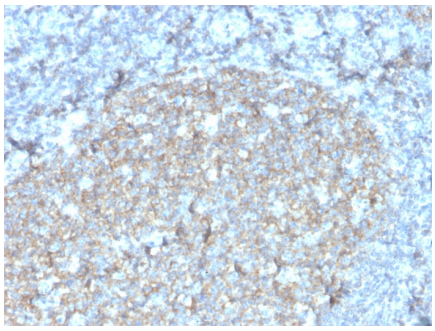
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

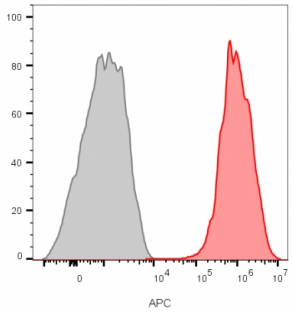
Clone	rC81/3442
Immunogen	Recombinant fragment (around aa1-236) of the human CD81 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	25.81kDa
Cellular Localization	Basolateral cell membrane, Cell membrane
Species Reactivity	Human
Positive Control	Daudi or Jurkat cells. Human lymphocytes. Human tonsil or liver., MCF-7, Ramos, Human Brain.

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

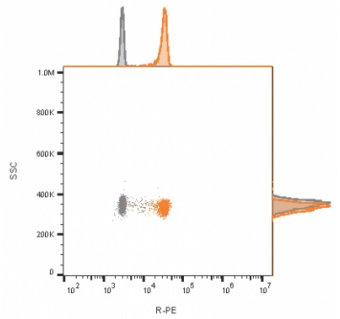
Product Images for Recombinant CD81 / TAPA-1 Antibody



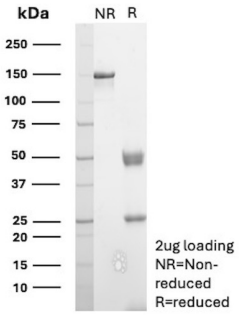
Formalin-fixed, paraffin-embedded human tonsil stained with CD81 Recombinant Mouse Monoclonal Antibody (rC81/3442).



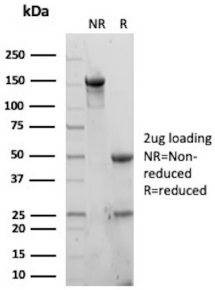
Flow cytometry analysis of MCF-7 cells unstained (gray) or stained with CD81 mouse monoclonal antibody (rC81/3442) and goat anti-mouse CF647 (red).



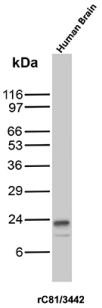
Flow cytometry analysis of bead-bound exosomes derived from MCF-7 cells. Unstained exosomes (gray) or exosomes stained with CF568-labeled CD81 monoclonal antibody (rC81/3442) (orange).



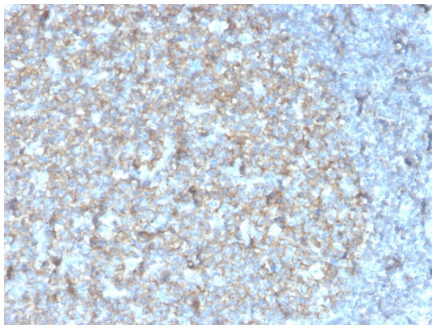
SDS-PAGE Analysis of Purified CD81 Recombinant Mouse Monoclonal Antibody (rC81/3442). Confirmation of Purity and Integrity of Antibody.



SDS-PAGE Analysis of Purified CD81 antigen Recombinant Mouse Monoclonal Antibody (rC81/3442). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of Human Brain tissue lysate using CD81 Recombinant Mouse Monoclonal Antibody (rC81/3442).



Formalin-fixed, paraffin-embedded human tonsil stained with CD81 Recombinant Mouse Monoclonal Antibody (rC81/3442).

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 produced in a mammalian-based expression system. 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.

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.

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