

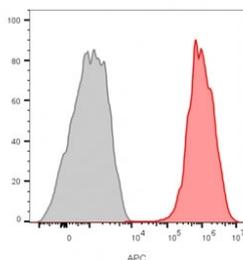
## Recombinant CD81 Antibody [clone rC81/3442] (V8525)

Catalog No.	Formulation	Size
V8525-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8525-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8525SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

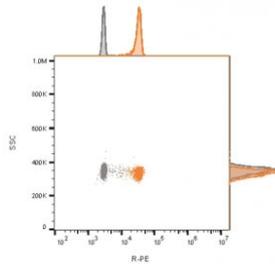
Recombinant **MOUSE MONOCLONAL**

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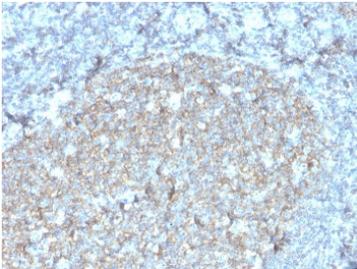
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Recombinant Mouse Monoclonal
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	rC81/3442
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P60033
<b>Localization</b>	Cytoplasmic, membranous
<b>Applications</b>	<p>Functional Studies : order Ab format without BSA/sodium azide</p> <p>Flow Cytometry : 0.5-1ug/million cells</p> <p>Immunofluorescence : 0.5-1ug/ml</p> <p>Western Blot : 1-2ug/ml for 2 hours at RT</p> <p>Immunohistochemistry (FFPE) : 2-4ug/ml for 30 minutes at RT</p>
<b>Limitations</b>	This recombinant CD81 antibody is available for research use only.



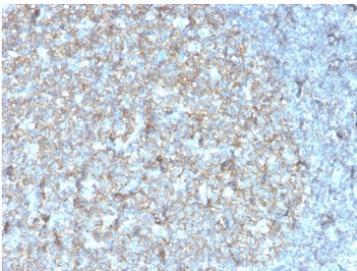
Flow cytometry staining of human MCF7 cells with recombinant CD81 antibody; Gray=unstained cells, Orange= recombinant CD81 antibody.



Flow cytometry analysis of bead-bound exosomes derived from MCF-7 cells using recombinant CD81 antibody (clone rC81/3442). Gray=unstained cells, Orange = recombinant CD81 antibody.



IHC staining of FFPE human tonsil with recombinant CD81 antibody (clone rC81/3442). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human tonsil with recombinant CD81 antibody (clone rC81/3442). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

## Description

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 tetraspan 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.

## Application Notes

Optimal dilution of the recombinant CD81 antibody should be determined by the researcher.

## Immunogen

Recombinant full-length human CD81 protein was used as the immunogen for the recombinant CD81 antibody.

## Storage

Store the recombinant CD81 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

