

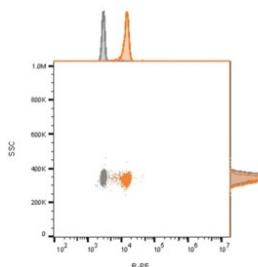
Recombinant CD81 Antibody [clone C81/2885R] (V7501)

Catalog No.	Formulation	Size
V7501-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7501-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7501SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7501IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

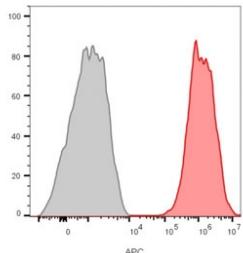
Recombinant **RABBIT MONOCLONAL**

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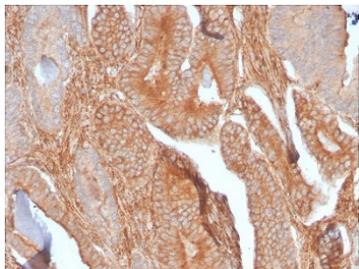
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	C81/2885R
Purity	Protein A affinity chromatography
UniProt	P60033
Localization	Cytoplasmic, membranous
Applications	ELISA : order BSA/sodium azide-free format for coating Immunohistochemistry (FFPE) : 1-2ug/ml Flow Cytometry : 0.5-1ug/million cells
Limitations	This recombinant CD81 antibody is available for research use only.



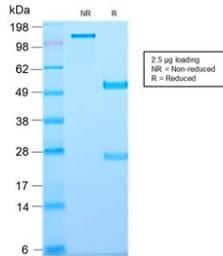
Flow cytometry analysis of bead-bound exosomes derived from MCF-7 cells using recombinant CD81 antibody (clone C81/2885R). Gray=unstained cells, Orange = recombinant CD81 antibody.



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



IHC staining of FFPE human prostate carcinoma with recombinant CD81 antibody (clone C81/2885R). HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20 min followed by cooling prior to testing.



SDS-PAGE analysis of purified, BSA-free recombinant CD81 antibody (clone C81/2885R) as confirmation of integrity and purity.

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 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.

Application Notes

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

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

A B-cell line derived from a Burkitt lymphoma 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).

