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36-3667: Anti-CD81 / TAPA-1 Monoclonal Antibody(Clone: C81/2885R)

Clonality :	Monoclonal
Clone Name :	C81/2885R
Application :	FACS,IHC
Reactivity :	Human, Mouse, Rat
Gene ID :	975
Uniprot ID :	P60033
Alternative Name :	CD81; Target of the antiproliferative antibody 1 (TAPA-1); Tetraspanin-28; Tspan-28
Isotype :	Rabbit IgG
Immunogen Information :	B-Cell line derived from a Burkitt lymphoma

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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/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 condition :	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.

Application Note

Flow Cytometry (0.5-1ug/million cells); Immunohistology (Formalin-fixed) (2-4ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes),

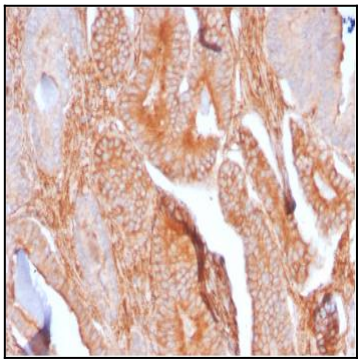


Fig. 1: Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with CD81 Rabbit Recombinant Monoclonal Antibody (C81/2885R).

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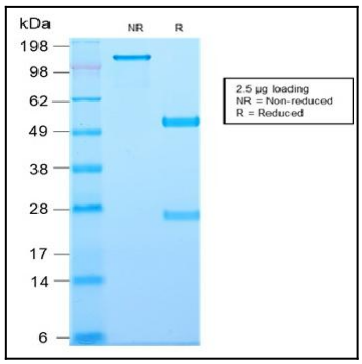


Fig. 2: SDS-PAGE Analysis Purified CD81 Rabbit Recombinant Monoclonal Antibody (C81/2885R). Confirmation of Purity and Integrity of Antibody.

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