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36-3666: Anti-CD81 / TAPA-1 Monoclonal Antibody(Clone: 1.3.3.22)

Clonality :	Monoclonal
Clone Name :	1.3.3.22
Application :	Functional Assay,FACS,IF,WB,IHC
Reactivity :	Human, Mouse, Rat
Gene :	CD81
Gene ID :	975
Uniprot ID :	P60033
Alternative Name :	CD81; Target of the antiproliferative antibody 1 (TAPA-1); Tetraspanin-28; Tspan-28
Isotype :	Mouse IgG1, kappa
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

Functional Studies (Order Ab without Azide);Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml for 2 hours at RT);Immunohistochemistry (Formalin-fixed) (2-4ug/ml for 30 minutes 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&degC followed by cooling at RT for 20 minutes)

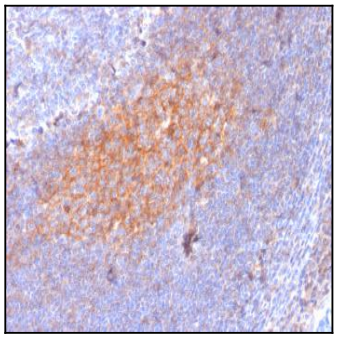


Fig. 1: Formalin-fixed, paraffin-embedded human Lymph Node stained with CD81 Mouse Monoclonal Antibody (1.3.3.22).

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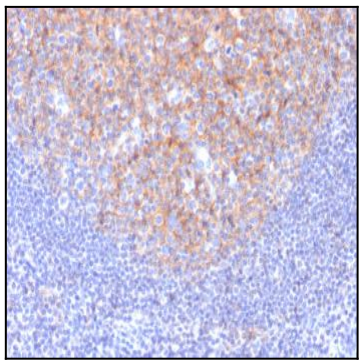


Fig. 2: Formalin-fixed, paraffin-embedded human Tonsil stained with CD81 Mouse Monoclonal Antibody (1.3.3.22).

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