

Datasheet for ABIN6941280

**anti-CD81 antibody**

## 4 Images

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## Overview

Quantity:	100 µg
Target:	CD81
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD81 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Functional Studies (Func), Staining Methods (StM)

## Product Details

Immunogen:	B-Cell line derived from a Burkitt lymphoma
Clone:	1-3-3-22
Isotype:	IgG1 kappa
Specificity:	Recognizes a protein of 26 kDa, 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 Details

Purification: Purified by Protein A/G

## Target Details

Target: CD81

Alternative Name: CD81 ([CD81 Products](#))

Molecular Weight: 26kDa

Gene ID: 975

UniProt: [P60033](#)

Pathways: [Inositol Metabolic Process](#), [Hepatitis C](#)

## Application Details

Application Notes: Positive Control: Ramos, Daudi, Raji, U266, HUT-78, HUT-102, Jurkat, HL-60, KG1a, A293, A431, MG63 and human lymphocytes. Tonsil or Liver.

Known Application: Functional Studies (Order Ab without Azide), Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Western Blot (0.5-1.0 µg/mL for 2 hours at RT), Immunohistochemistry (Formalin-fixed) (2-4 µg/mL for 30 minutes at RT) (Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes) Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

Concentration: 200 µg/mL

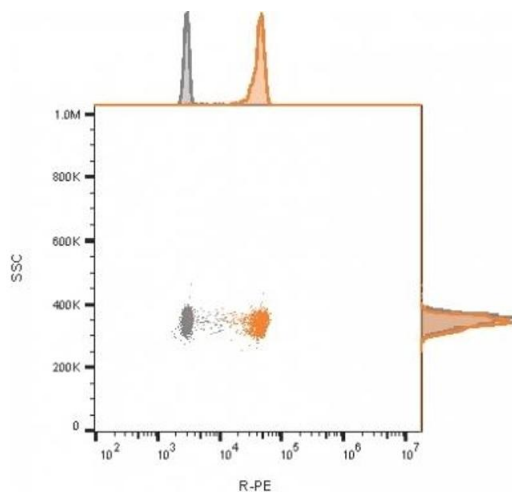
Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

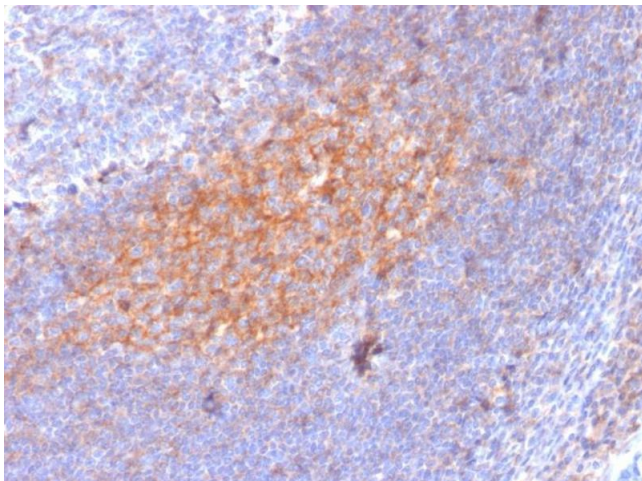
Storage: 4 °C, -80 °C

Storage Comment: 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.



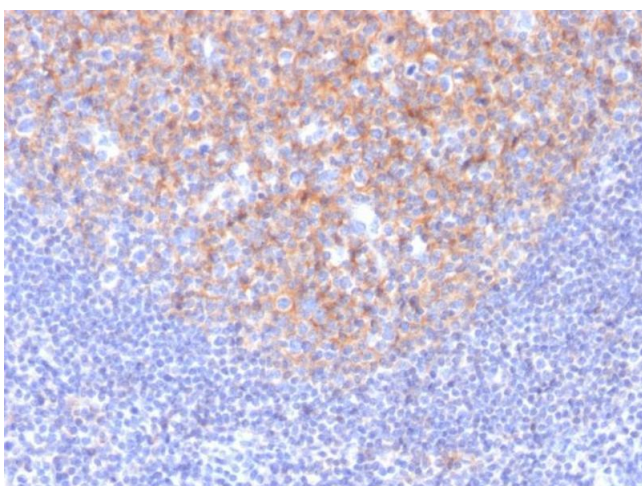
#### Flow Cytometry

**Image 1.** Flow cytometry analysis of bead-bound exosomes derived from MCF-7 cells. Unstained exosomes (gray) or exosomes stained with CF568-labeled CD81 monoclonal antibody (1.3.3.22) (orange).



#### Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human Lymph Node stained with CD81 Mouse Monoclonal Antibody (1.3.3.22).



#### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Tonsil stained with CD81 Mouse Monoclonal Antibody (1.3.3.22).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6941280.