

# Biotin-conjugated CD81 Monoclonal antibody

Catalog Number: **Biotin-66866**

## Basic Information

**Catalog Number:**

Biotin-66866

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG27298

**GenBank Accession Number:**

BC002978

**GeneID (NCBI):**

975

**ENSEMBL Gene ID:**

ENSG00000110651

**UNIPROT ID:**

P60033

**Full Name:**

CD81 molecule

**Calculated MW:**

26 kDa

**Observed MW:**

22 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1G2C6

**Recommended Dilutions:**

IHC 1:100-1:500

## Applications

**Tested Applications:**

IHC

**Species Specificity:**

Human

**Positive Controls:**

IHC : human liver tissue,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

CD81 (also known as TAPA1 or TSPAN28) is a membrane protein of the tetraspanin superfamily, which are characterized by the presence of four conserved transmembrane regions. Many of these members are expressed on leukocytes and have been implicated in signal transduction, cell-cell interactions, and cellular activation and development. CD81 is involved in signal transduction and cell adhesion in the immune system (PMID: 9597125). CD81 has also been identified as an essential receptor for HCV (hepatitis C virus) (PMID: 21428934).

## Storage

**Storage:**

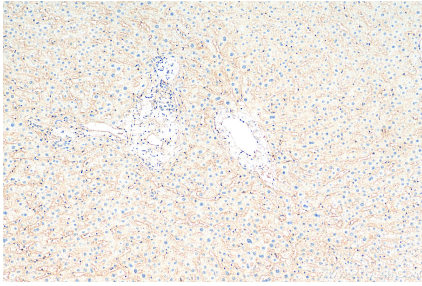
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

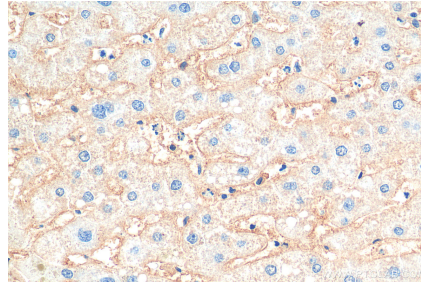
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using Biotin-66866 (CD81 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using Biotin-66866 (CD81 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).