

# CD81 Rabbit mAb

Catalog No.: A4863    Recombinant    19 Publications

## Basic Information

### Observed MW

22kDa

### Calculated MW

26kDa

### Category

Primary antibody

### Applications

WB,ELISA

### Cross-Reactivity

Mouse, Rat

### CloneNo number

ARC0615

## Background

The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. Two transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

WB                    1:1000 - 1:6000

ELISA                Recommended starting concentration is 1  $\mu$ g/mL.  
 Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

975

### Swiss Prot

P60033

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

S5.7; CVID6; TAPA1; TSPAN28; CD81

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

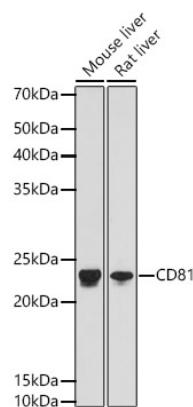
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

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Western blot analysis of various lysates, using CD81 Rabbit mAb (A4863) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10s.