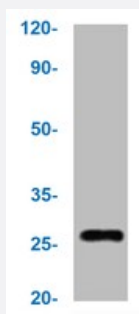


RecomAb™

# CD81 recombinant monoclonal antibody, clone 9F7

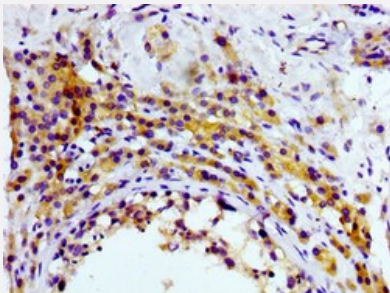
Catalog # RAB04209      Size 100 uL

## Applications



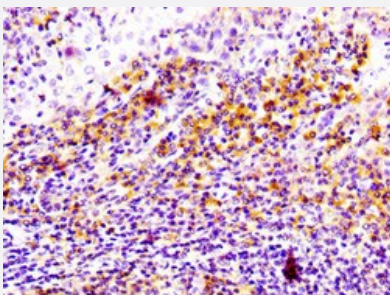
### Western Blot

Western blot analysis of K562 whole cell lysate with CD81 recombinant monoclonal antibody, clone 9F7 (Cat # RAB04209).



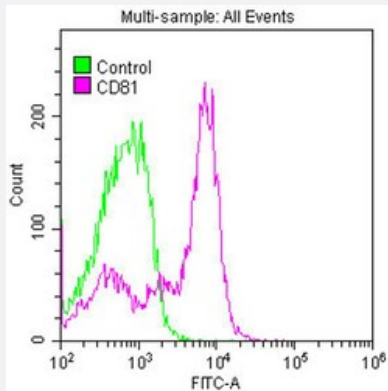
### Immunohistochemistry

Immunohistochemical staining of human testis tissue with CD81 recombinant monoclonal antibody, clone 9F7 (Cat # RAB04209) (diluted at 1:100).



### Immunohistochemistry

Immunohistochemical staining of human tonsil tissue with CD81 recombinant monoclonal antibody, clone 9F7 (Cat # RAB04209) (diluted at 1:100).



## Flow Cytometry

Flow cytometric analysis of Jurkat cells with CD81 recombinant monoclonal antibody, clone 9F7 (Cat # RAB04209) (diluted at 1:50; purple line) and negative control (green line).

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human CD81.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against a synthetic peptide corresponding to human CD81.
<b>Theoretical MW (kDa)</b>	Calculated MW: 26 kD
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form</b>	Liquid
<b>Purification</b>	Affinity chromatography
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	ELISA Flow Cytometry Immunohistochemistry (1:50-1:500) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
<b>Storage Instruction</b>	store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western blot analysis of K562 whole cell lysate with CD81 recombinant monoclonal antibody, clone 9F7 (Cat # RAB04209).

- Immunohistochemistry

Immunohistochemical staining of human testis tissue with CD81 recombinant monoclonal antibody, clone 9F7 (Cat # RAB04209) (diluted at 1:100).

- Immunohistochemistry

Immunohistochemical staining of human tonsil tissue with CD81 recombinant monoclonal antibody, clone 9F7 (Cat # RAB04209) (diluted at 1:100).

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of Jurkat cells with CD81 recombinant monoclonal antibody, clone 9F7 (Cat # RAB04209) (diluted at 1:50; purple line) and negative control (green line).

## Gene Info — CD81

Entrez GeneID [975](#)

Protein Accession# [P60033](#)

Gene Name CD81

Gene Alias S5.7, TAPA1, TSPAN28

Gene Description CD81 molecule

Omim ID [186845](#)

Gene Ontology [Hyperlink](#)

### Gene Summary

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. [provided by RefSeq]

**Other Designations**

26 kDa cell surface protein TAPA-1|CD81 antigen|CD81 antigen (target of antiproliferative antibody 1)|target of antiproliferative antibody 1

**Pathway**

- [B cell receptor signaling pathway](#)

**Disease**

- [Atherosclerosis](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hepatitis C](#)
- [Hodgkin Disease](#)
- [Kidney Failure](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Obesity](#)
- [Occupational Diseases](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)