

Product Name: CD81 Mouse Monoclonal Antibody**Catalog #: AMM82893**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human, Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	25.8kDa

Antigen Information

Gene Name	CD81
Alternative Names	S5.7; CVID6; TAPA1; TSPAN28
Gene ID	975.0
SwissProt ID	P60033
Immunogen	Purified recombinant fragment of human CD81 (AA: 113-201) expressed in E. Coli.

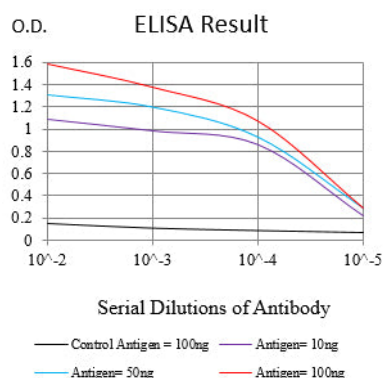
Background

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

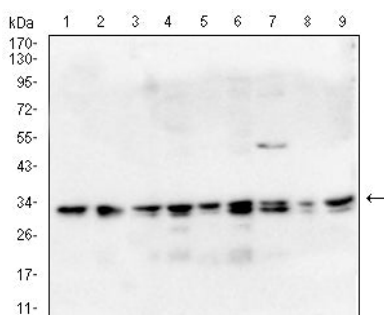
encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. Two transcript variants encoding different isoforms have been found for this gene.

Research Area

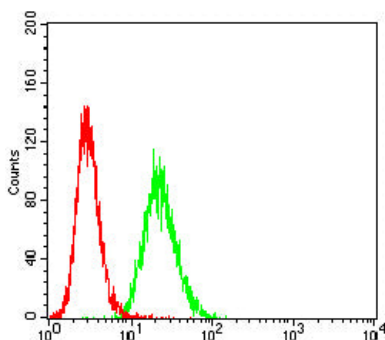
Image Data



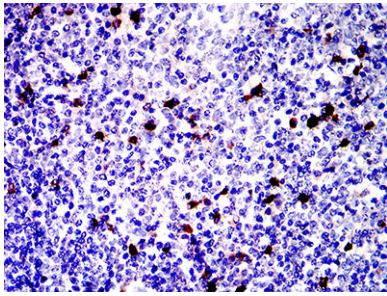
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using CD81 mouse mAb against Ramos (1), Raji (2), HEK293 (3), HepG2 (4), Hela (5), K562 (6), Jurkat (7), PC-12 (8) and C6 (9) cell lysate.



Flow cytometric analysis of THP-1 cells using CD81 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human tonsil tissues using CD81 mouse mAb with DAB staining.