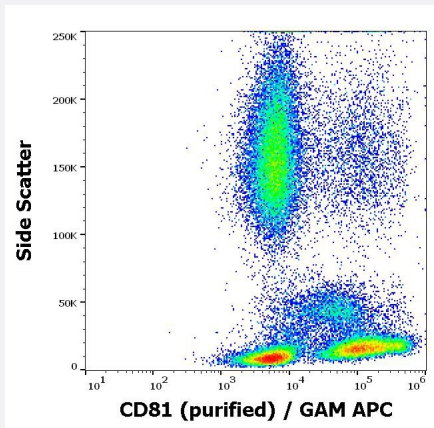


CD81 monoclonal antibody, clone M38

Catalog # MAB6435 Size 100 ug

Applications



Flow Cytometry

Flow cytometric surface staining of human peripheral blood stained with CD81 monoclonal antibody, clone M38 (Cat # MAB6435).

Specification

Product Description	Mouse monoclonal antibody raised against native CD81.
Immunogen	Native purified CD81 from human T-ALL cell line (MOLT-4).
Host	Mouse
Theoretical MW (kDa)	25
Reactivity	Cat, Human, Rabbit
Specificity	This antibody reacts with CD81, a 25 KDa member of the tetraspanin family, expressed on majority of cells.
Form	Liquid
Concentration	1 mg/mL
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunocytochemistry
- Immunoprecipitation
- Functional Study
- Flow Cytometry

Flow cytometric surface staining of human peripheral blood stained with CD81 monoclonal antibody, clone M38 (Cat # MAB6435).

Gene Info — CD81

Entrez GeneID	975
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

Publication Reference

- [Cross talk: Trafficking and functional impact of maternal exosomes at the Feto-maternal Interface under normal and pathologic states.](#)

Ourlad Alzeus G Tantengco, Enkhtuya Radnaa, Hend Shahin, Talar Kechichian, Ramkumar Menon.
Biology of Reproduction 2021 Sep; ioab181.

Application: WB, Human, Human Cervical cells

- [Ultrasonics-Assisted Effective Isolation and Characterization of Exosomes from Whole Organs.](#)

Burak Derkus, Emel Emregul.
Methods in Molecular Biology (Clifton, N.J.) 2021 Jan; 2207:25.

Application: WB-Ti, Mouse, Mouse brain, Mouse heart, Mouse liver

- [Selective enrichment of tetraspan proteins on the internal vesicles of multivesicular endosomes and on exosomes secreted by human B-lymphocytes.](#)

Escola JM, Kleijmeer MJ, Stoorvogel W, Griffith JM, Yoshie O, Geuze HJ.
The Journal of Biological Chemistry 1998 Aug; 273(32):20121.

Application: IEM, WB-Ce, Human, RN cells

- [Molecular analyses of the association of CD4 with two members of the transmembrane 4 superfamily, CD81 and CD82.](#)

T Imai, M Kakizaki, M Nishimura, O Yoshie.
Journal of Immunology 1995 Aug; 155(3):1229.

Application: WB-Tr, Human, HeLa, Raji cells

- [C33 antigen and M38 antigen recognized by monoclonal antibodies inhibitory to syncytium formation by human T cell leukemia virus type 1 are both members of the transmembrane 4 superfamily and associate with each other and with CD4 or CD8 in T cells.](#)

Imai T, Yoshie O.

The Journal of Immunology 1993 Dec; 151(11):6470.

Application: IP, IP-WB, Human, Mouse, HPB-ALL, Jurkat, MOLT-4, MT-2, BHK cells

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](#)