

Datasheet

CD81 monoclonal antibody, clone M38 (FITC)

Catalog Number: MAB6494

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native CD81.

Clone Name: M38

Immunogen: Native purified CD81 from human T-ALL cell line (MOLT-4).

Host: Mouse

Theoretical MW (kDa): 25

Reactivity: Cat, Human, Rabbit

Applications: Flow Cyt

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This antibody reacts with CD81, a 25 kDa member of the tetraspanin family, expressed on majority of cells.

Form: Liquid

Conjugation: FITC

Isotype: IgG1

Recommend Usage: The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.2% BSA, 0.09% sodium azide)

Storage Instruction: Store in the dark at 4°C. Do not freeze.

Avoid prolonged exposure to light.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 975

Gene Symbol: CD81

Gene Alias: S5.7, TAPA1, TSPAN28

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]

References:

1. 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. *J Biol Chem.* 1998 Aug 7;273(32):20121-7.
2. Molecular analyses of the association of CD4 with two members of the transmembrane 4 superfamily, CD81 and CD82. Imai T, Kakizaki M, Nishimura M, Yoshie O. *J Immunol.* 1995 Aug 1;155(3):1229-39.
3. 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. *J Immunol.* 1993 Dec 1;151(11):6470-81.