

CD81 Monoclonal Antibody

OPM16294YP

Reactivity	H,M,R	Storage	-20°C, Avoid freeze/ thaw cycles
Source	Mouse	Applications	WB
Isotype	IgG	Concentration	1mg/mL

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human CD81. AA range:111-160.
Purity	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Synonyms	CD81; TAPA1; TSPAN28; CD81 antigen; 26kDa cell surface protein TAPA-1; Target of the antiproliferative antibody 1; Tetraspanin-28; Tspan-28; CD81.

Product Information

Observed MW 26kD

Buffer Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Dilution WB 1:500-1:2000

Other applications have not been tested. Optimal dilutions/concentrations should be determined by the end user.

Tissue Specificity

Expressed on B cells (at protein level). Expressed in hepatocytes (at protein level). Expressed in monocytes/macrophages (at protein level). Expressed on both naive and memory CD4-positive T cells (at protein level).

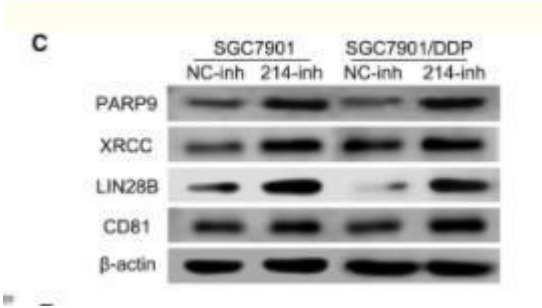
Functions

Function: May play an important role in the regulation of lymphoma cell growth. Interacts with a 16kDa Leu-13 protein to form a complex possibly involved in signal transduction. May acts at the viral receptor for HCV., **PTM:** Not glycosylated., **Similarity:** Belongs to the tetraspanin (TM4SF) family., **Subunit:** Plays a critical role in HCV attachment and/or cell entry by interacting with HCV E1/E2 glycoproteins heterodimer. Interacts directly with IGSF8., **Tissue specificity:** Hematolymphoid, neuroectodermal and mesenchymal tumor cell lines.

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 located 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.

Images



Western Blot analysis of various cells using CD81 Monoclonal Antibody.

Research Use

For research use only, not for use in diagnostic procedures.

Legend

Applications: WB-Western Blot; IHC-Immunohistochemistry; IF-Immunofluorescence; IP-Immunoprecipitation; FC-Flow cytometry; ChIP-Chromatin Immunoprecipitation

Reactivity: H-Human; R-Rat; M-Mouse; Mk-Monkey; Dg-Dog; Ch-Chicken; Hm-Hamster; Rb-Rabbit; Sh- Sheep; Pg-Pig; Z-Zebrafish; X-Xenopus; C-Cow.

Please contact Origin Diagnostics and Research for further assistance

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