

## Anti-TAPA1/CD81 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: A01281-2-Fluoro488

### About CD81

CD81 molecule, also known as CD81 (Cluster of Differentiation 81), is a protein which in humans is encoded by the CD81 gene. 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.

### Overview

Product Name	Anti-TAPA1/CD81 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P60033

### Technical Details

Immunogen	E. coli-derived human TAPA1 recombinant protein (Position: F113-K201).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

### 3 Publications Citing This Product

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1. PubMed ID: 10.3390/nano11071853, Exosomal Surface Protein Detection with Quantum Dots and Immunomagnetic Capture for Cancer Detection
2. PubMed ID: 32059163, Wang D,Hao C,Zhang L,Zhang J,Liu S,Li Y,Qu Y,Zhao Y,Huang R,Wei J,Yao W.Exosomal miR-125a-5p derived from silica-exposed macrophages induces fibroblast transdifferentiation.Ecotoxicol Environ Saf.2020 Apr 1;192:110253.doi:10.1016/j.ecoenv.2020.110253.Epub
3. PubMed ID: 32400849, Cao G,Meng X, Han X,Li J.Exosomes derived from circRNA Rtn4-modified BMSCs attenuate TNF-alpha-induced cytotoxicity and apoptosis in murine MC3T3-E1 cells by sponging miR-146a.Biosci Rep.2020 May 29;40(5): BSR20193436.doi:10.1042/BSR20193436.PMID:32400849;PMC

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