

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

Catalog Number: A01281-2-PE

### 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

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|----------------------|--|
| Product Name         | Anti-TAPA1/CD81 Antibody Picoband® PE 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           | PE<br>Excitation Wavelength: 566 nm<br>Emission Wavelength: 574 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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Anti-TAPA1/CD81 Antibody - PE

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