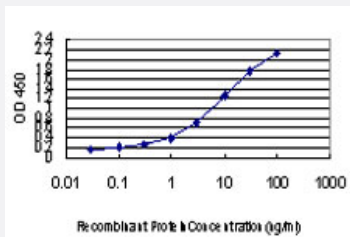


# CD81 monoclonal antibody (M01), clone 2B7

Catalog # H00000975-M01

Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CD81 is approximately 0.1ng/ml as a capture antibody.

## Specification

|                               |                                                                                                                 |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Product Description           | Mouse monoclonal antibody raised against a partial recombinant CD81.                                            |
| Immunogen                     | CD81 (AAH02978, 25 a.a. ~ 127 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence                      | GGVILGVALWLRHDPQTTNLLYLELGDKPAPNTFYVGMILAVGAVMMFVGFLGCGYGAIQESQCLLGTFFTCCLVILFACEVAAGWGFVNKDQIAKDVKQFY          |
| Host                          | Mouse                                                                                                           |
| Reactivity                    | Human                                                                                                           |
| Interspecies Antigen Sequence | Mouse (98)                                                                                                      |
| Isotype                       | IgG1 Kappa                                                                                                      |
| Quality Control Testing       | Antibody Reactive Against Recombinant Protein.                                                                  |
| Storage Buffer                | In 1x PBS, pH 7.4                                                                                               |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                        |

## Applications

- Sandwich ELISA (Recombinant protein)

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[Protocol Download](#)

- ELISA

## Gene Info — CD81

Entrez GeneID [975](#)

GeneBank Accession# [BC002978](#)

Protein Accession# [AAH02978](#)

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

## 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](#)