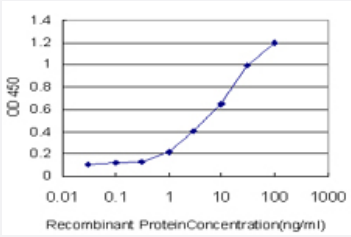
# CLDN5 monoclonal antibody (M01), clone 3D8

Catalog # H00007122-M01 Size 100 ug

## Applications




### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CLDN5 is approximately 0.1ng/ml as a capture antibody.

## Specification

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|---|---|
| **Product Description** | Mouse monoclonal antibody raised against a partial recombinant CLDN5. |
| **Immunogen** | CLDN5 (NP_003268, 29 a.a. ~ 81 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Sequence** | MWQVTAFLDHNIVTAQTTWKGLWMSCVVQSTGHMQCKVYDSVLALSTEVQAAR |
| **Host** | Mouse |
| **Reactivity** | Human |
| **Interspecies Antigen Sequence** | Mouse (96); Rat (96) |
| **Isotype** | IgG2b 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 — CLDN5

| | |
|---|---|
| **Entrez GeneID** | 7122 |
| **GeneBank Accession#** | NM_003277 |
| **Protein Accession#** | NP_003268 |
| **Gene Name** | CLDN5 |
| **Gene Alias** | AWAL, BEC1, CPETRL1, TMVCF |
| **Gene Description** | claudin 5 |
| **Omim ID** | 602101 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent s olutes and water from passing freely through the paracellular space between epithelial or endothel ial cell sheets. Mutations in this gene have been found in patients with velocardiofacial syndrome. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [ provided by RefSeq |
| **Other Designations** | androgen withdrawal and apoptosis induced protein RVP1-like\|transmembrane protein deleted in velocardiofacial syndrome |

## Pathway

- Cell adhesion molecules (CAMs)
- Leukocyte transendothelial migration
- Tight junction

## Disease

- Chromosome Deletion
- Schizophrenia