

## Mouse cadherin 5, type 2 (vascular endothelium) ELISA Kit | CDH5 elisa kit

Mouse Cadherin-5, CDH5 ELISA Kit

CATALOG #  
**AAA112616**

REACTIVITY  
**Mouse**

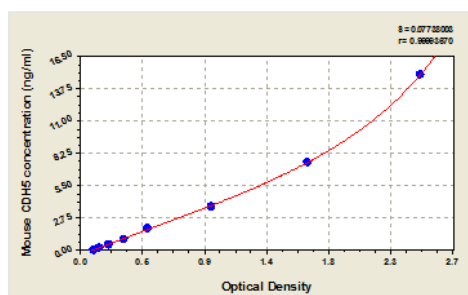
### PRODUCT SYNONYMS

cadherin 5; type 2 (vascular endothelium); Mouse Cadherin-5; CDH5 ELISA Kit; Mouse Cadherin-5 (CDH5) ELISA kit; 7B4; CD144; FLJ17376; 7B4 antigen; VE-cadherin; type 2; VE-cadherin (vascular epithelium) ; cd144 antigen; endothelial-specific cadherin; vascular endothelial cadherin; CDH5 elisa kit

### PRODUCT SPECIFICATIONS

|                              |                                                                                                                                                                                                                                                                                                                           |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                   | Mouse                                                                                                                                                                                                                                                                                                                     |
| Specificity                  | This assay has high sensitivity and excellent specificity for detection of Mouse CDH5. No significant cross-reactivity or interference between Mouse CDH5 and analogues was observed.                                                                                                                                     |
| Sequence Length              | 784                                                                                                                                                                                                                                                                                                                       |
| Samples                      | Serum, plasma, tissue homogenates                                                                                                                                                                                                                                                                                         |
| Assay Type                   | Sandwich                                                                                                                                                                                                                                                                                                                  |
| Detection Range              | 0.235 ng/ml-15 ng/ml                                                                                                                                                                                                                                                                                                      |
| Sensitivity                  | 0.058 ng/ml                                                                                                                                                                                                                                                                                                               |
| Intra-assay Precision        | Intra-assay Precision (Precision within an assay): CV% is less than 8%<br>Three samples of known concentration were tested twenty times on one plate to assess.<br>Inter-assay Precision (Precision between assays): CV% is less than 10%<br>Three samples of known concentration were tested in twenty assays to assess. |
| Detection Wavelength         | 450 nm                                                                                                                                                                                                                                                                                                                    |
| Sample Volume                | 50-100ul                                                                                                                                                                                                                                                                                                                  |
| Protein Biological Process 1 | Cell Adhesion                                                                                                                                                                                                                                                                                                             |
| Protein Biological Process 3 | Cell adhesion                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage      | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CDH5 elisa kit | <b>Principle of the Assay:</b> This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CDH5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CDH5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CDH5 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CDH5 bound in the initial step. The color development is stopped and the intensity of the color is measured. |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 38490561                                                               |
| NCBI GeneID                      | 12562                                                                  |
| NCBI Accession #                 | NP_033998.2                                                            |
| NCBI GenBank Nucleotide #        | NM_009868.4                                                            |
| UniProt Accession #              | P55284; O35542                                                         |
| Molecular Weight                 | 87,903 Da                                                              |
| NCBI Official Full Name          | cadherin-5                                                             |
| NCBI Official Synonym Full Names | cadherin 5                                                             |
| NCBI Official Symbol             | Cdh5                                                                   |
| NCBI Official Synonym Symbols    | 7B4; Vec; VECD; Cd144; VEcad; VE-Cad; AA408225                         |
| NCBI Protein Information         | cadherin-5; VE-cadherin; 7B4/cadherin-5; vascular endothelial cadherin |
| UniProt Protein Name             | Cadherin-5                                                             |
| UniProt Gene Name                | Cdh5                                                                   |
| UniProt Synonym Gene Names       | VE-cadherin                                                            |
| UniProt Entry Name               | CADH5_MOUSE                                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cdh5-mouse-elisa-kits/cadherin-5-type-2-vascular-endothelium/112616>