

## Mouse Calsyntenin-1 (CLSTN1) ELISA Kit | CLSTN1 elisa kit

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CATALOG #  
**AAA245804**

REACTIVITY  
**Mouse**

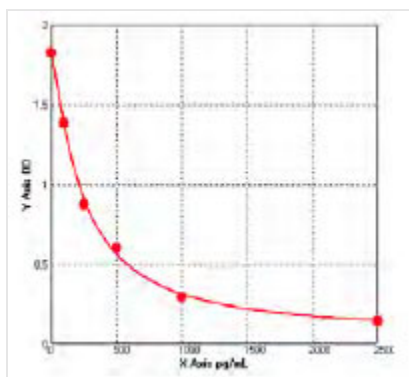
### PRODUCT SYNONYMS

Calsyntenin-1 (CLSTN1); Mouse Calsyntenin-1 (CLSTN1) ELISA Kit; CLSTN1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                      |
| Samples                 | Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate |
| Assay Type              | Quantitative Competitive                                                   |
| Sensitivity             | 0.1 ng/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for CLSTN1 elisa kit

**Intended Uses:** This CLSTN1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CLSTN1. This ELISA kit for research use only!

**Principle of the Assay:** CLSTN1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CLSTN1 antibody and an CLSTN1-HRP conjugate. The assay sample and buffer are incubated together with CLSTN1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CLSTN1 concentration since CLSTN1 from samples and CLSTN1-HRP conjugate compete for the anti-CLSTN1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CLSTN1 from the sample, fewer sites are left to bind CLSTN1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CLSTN1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 57242757                                                                                                                                                                                         |
| NCBI GeneID                      | 22883                                                                                                                                                                                            |
| NCBI Accession #                 | NP_001009566.1                                                                                                                                                                                   |
| NCBI GenBank Nucleotide #        | NM_001009566.1                                                                                                                                                                                   |
| Molecular Weight                 | 108,643 Da                                                                                                                                                                                       |
| NCBI Official Full Name          | calsyntenin-1 isoform 1                                                                                                                                                                          |
| NCBI Official Synonym Full Names | calsyntenin 1                                                                                                                                                                                    |
| NCBI Official Symbol             | CLSTN1                                                                                                                                                                                           |
| NCBI Official Synonym Symbols    | CSTN1; CDHR12; PIK3CD; ALC-ALPHA; XB31alpha; alcalpha1; alcalpha2                                                                                                                                |
| NCBI Protein Information         | calsyntenin-1; alcadein-alpha; alcadein alpha 1; non-classical cadherin XB31alpha; cadherin-related family member 12; non-classical cadherin XB31alpha1; alzheimer-related cadherin-like protein |
| UniProt Protein Name             | Calsyntenin-1                                                                                                                                                                                    |
| UniProt Gene Name                | CLSTN1                                                                                                                                                                                           |
| UniProt Synonym Gene Names       | CS1; KIAA0911; Alc-alpha; SAlc-alpha                                                                                                                                                             |
| UniProt Entry Name               | CSTN1_HUMAN                                                                                                                                                                                      |

**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.