

## Rat Caveolin-1 ELISA Kit | Cav-1 elisa kit

Rat Caveolin-1 ELISA Kit

CATALOG #  
**AAA99728**

REACTIVITY  
**Rat**

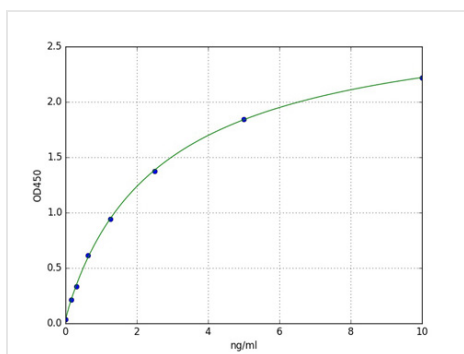
### PRODUCT SYNONYMS

Caveolin-1; Rat Caveolin-1 ELISA Kit; Cav-1/CAV1/MSTP085/VIP21/CAV/caveolae protein; 22kD/caveolin 1; caveolae protein; 22kDa/cell growth-inhibiting protein 32/MSTP085; Cav-1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                          |
| Sequence Length         | 147                                                                                                                                                          |
| Assay Type              | Sandwich ELISA, Double Antibody                                                                                                                              |
| Samples                 | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples                                                                         |
| Detection Range         | 15.625-1000pg/ml                                                                                                                                             |
| Sensitivity             | 9.375pg/ml                                                                                                                                                   |
| Preparation and Storage | Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C |

### IMAGES



Standard Curve (Sample)

#### Typical Data & Standard Curve

Results of a typical standard run of a Rat Cav-1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

| X | ng/ml | 0     | 0.156 | 0.313 | 0.625 | 1.25  | 2.5   | 5     | 10    |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Y | OD450 | 0.068 | 0.124 | 0.187 | 0.344 | 0.607 | 0.974 | 1.472 | 2.541 |

Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for Cav-1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Cav-1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Cav-1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Cav-1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Cav-1 can be calculated.

NCBI AND UNIPROT INFORMATION

|                                  |                                          |
|----------------------------------|------------------------------------------|
| NCBI GI #                        | 290542363                                |
| NCBI GeneID                      | 857                                      |
| NCBI Accession #                 | NP_001166368.1                           |
| NCBI GenBank Nucleotide #        | NM_001172897.1                           |
| Molecular Weight                 | 17,023 Da                                |
| NCBI Official Full Name          | caveolin-1 isoform beta                  |
| NCBI Official Synonym Full Names | caveolin 1                               |
| NCBI Official Symbol             | CAV1                                     |
| NCBI Official Synonym Symbols    | CGL3; PPH3; BSCL3; LCCNS; VIP21; MSTP085 |
| NCBI Protein Information         | caveolin-1                               |
| UniProt Protein Name             | Caveolin-1                               |
| UniProt Gene Name                | <b>CAV1</b>                              |
| UniProt Synonym Gene Names       | CAV                                      |
| UniProt Entry Name               | CAV1_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.

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Online datasheet: <https://www.aaabiotech.com/cav-1-rat-elisa-kits/caveolin-1/99728>