

## Rat Follistatin (FS) ELISA Kit | FS elisa kit

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CATALOG #  
**AAA140579**

REACTIVITY  
**Rat**

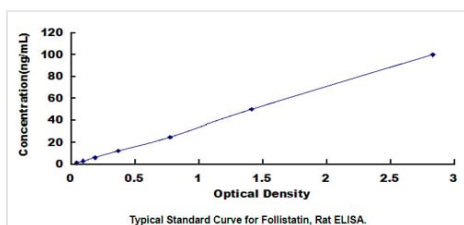
### PRODUCT SYNONYMS

Follistatin (FS); Rat Follistatin (FS) ELISA Kit; FS elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                                                                                                                                                                                                                             |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of follistatin. No significant cross-reactivity or interference between follistatin and analogues was observed.                                                                                                                                                                                                                         |
| Sequence Length         | 317                                                                                                                                                                                                                                                                                                                                                                                                             |
| Samples                 | Rat serum, plasma, tissue homogenates and other biological fluids                                                                                                                                                                                                                                                                                                                                               |
| Detection Range         | 1.56-100ng/mL                                                                                                                                                                                                                                                                                                                                                                                                   |
| Sensitivity             | The minimum detectable dose of follistatin is typically less than 0.57ng/mL. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined by adding two standard deviations to the mean optical density value of twenty zero standard replicates and calculating the corresponding concentration. |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level follistatin were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                                                                                                                                                                                                                   |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level follistatin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%                                                                                                                                                                                                 |
| Intended Uses           | The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of follistatin in rat serum, plasma, tissue homogenates and other biological fluids.                                                                                                                                                                                                                                             |
| Preparation and Storage | For unopened kit, all the reagents should be kept according to the label on each vial. The Standard, Detection Reagent A, Detection Reagent B and the 96-well strip plate should be stored at -20 degree C while others should be at 4 degree C.                                                                                                                                                                |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for FS elisa kit | <b>Principle of the assay:</b> The microtiter plate provided in this kit has been pre-coated with an antibody specific to follistatin. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to follistatin. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain follistatin, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of follistatin in the samples is then determined by comparing the O.D. of the samples to the standard curve. |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                  |
|----------------------------------|------------------------------------------------------------------|
| NCBI GI #                        | 182721                                                           |
| NCBI GeneID                      | 10468                                                            |
| Molecular Weight                 | 34,803 Da                                                        |
| NCBI Official Full Name          | follistatin                                                      |
| NCBI Official Synonym Full Names | follistatin                                                      |
| NCBI Official Symbol             | FST                                                              |
| NCBI Official Synonym Symbols    | FS                                                               |
| NCBI Protein Information         | follistatin; activin-binding protein; follistatin isoform FST317 |
| UniProt Protein Name             | Follistatin                                                      |
| UniProt Gene Name                | <b>FST</b>                                                       |
| UniProt Synonym Gene Names       | FS                                                               |
| UniProt Entry Name               | FST_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://stage.aaabiotech.com/rat-elisa-kits/follistatin-fs/140579>