

## Mouse Coagulation Factor 5 Antigen ELISA Kit | F5-Ag elisa kit

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CATALOG #  
**AAA85941**

REACTIVITY  
**Mouse**

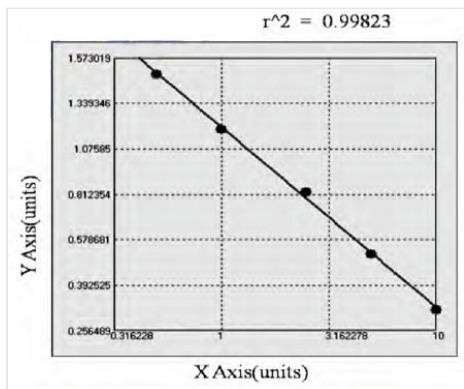
### PRODUCT SYNONYMS

Coagulation Factor 5 Antigen; Mouse Coagulation Factor 5 Antigen ELISA Kit; F5-Ag elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                               |
| Assay Type              | Competitive                                                                                                                                                                              |
| Detection Range         | 50-1000pg/mL                                                                                                                                                                             |
| Sensitivity             | 1.0pg/mL                                                                                                                                                                                 |
| Intended Uses           | This F5-AG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse F5-AG. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                      |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for F5-Ag elisa kit

**Principle of the Assay:** F5-AG ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-F5-AG antibody and an F5-AG-HRP conjugate. The assay sample and buffer are incubated together with F5-AG-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 F5-AG concentration since F5-AG from samples and F5-AG-HRP conjugate compete for the anti-F5-AG antibody binding site. Since the number of sites is limited, as more sites are occupied by F5-AG from the sample, fewer sites are left to bind F5-AG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The F5-AG concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 105990535                                                                                                                                 |
| NCBI GeneID                      | 2153                                                                                                                                      |
| NCBI Accession #                 | NP_000121.2                                                                                                                               |
| NCBI GenBank Nucleotide #        | NM_000130.4                                                                                                                               |
| Molecular Weight                 | 251,703 Da                                                                                                                                |
| NCBI Official Full Name          | coagulation factor V                                                                                                                      |
| NCBI Official Synonym Full Names | coagulation factor V (proaccelerin, labile factor)                                                                                        |
| NCBI Official Symbol             | F5                                                                                                                                        |
| NCBI Official Synonym Symbols    | FVL; PCCF; THPH2; RPRGL1                                                                                                                  |
| NCBI Protein Information         | coagulation factor V; factor V Leiden; proaccelerin, labile factor; activated protein c cofactor; coagulation factor V jinjiang A2 domain |
| UniProt Protein Name             | Coagulation factor V                                                                                                                      |
| UniProt Gene Name                | F5                                                                                                                                        |
| UniProt Entry Name               | FA5_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/f5-ag-mouse-elisa-kits/coagulation-factor-5-antigen/85941>