

## Human Mannan-binding lectin serine protease 2 ELISA Kit | MASP2 elisa kit

Human Mannan-binding lectin serine protease 2 ELISA Kit

CATALOG #  
**AAA101700**

REACTIVITY  
**Human**

### PRODUCT SYNONYMS

Mannan-binding lectin serine protease 2; Human Mannan-binding lectin serine protease 2 ELISA Kit; MASP2/MBL-associated serine protease 2/Mannose-binding protein-associated serine protease 2/MASP-2; MASP2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                            |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of MASP2 . No significant cross-reactivity or interference between MASP2 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross - reactivity detection between MASP2 and all the analogues, therefore, cross reaction may still exist. |
| Sequence Length         | 686                                                                                                                                                                                                                                                                                                                                                                              |
| Assay Type              | Sandwich ELISA, Double Antibody                                                                                                                                                                                                                                                                                                                                                  |
| Samples                 | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples                                                                                                                                                                                                                                                                                             |
| Detection Range         | 3.125-200ng/ml                                                                                                                                                                                                                                                                                                                                                                   |
| Sensitivity             | 1.875ng/ml                                                                                                                                                                                                                                                                                                                                                                       |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MASP2were tested 20 times on one plate, respectively. Intra-Assay: CV<8%                                                                                                                                                                                                            |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MASP2were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%                                                                                                                                                                        |
| 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

#### Typical Data & Standard Curve

Results of a typical standard run of a MASP2 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/Annot applicable)

| X | ng/ml | 0     | 3.125 | 6.25  | 12.5  | 25    | 50    | 100   | 200   |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Y | OD450 | 0.057 | 0.118 | 0.175 | 0.263 | 0.499 | 0.775 | 1.518 | 2.323 |

Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for MASP2 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-MASP2antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- MASP2 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. HRPStreptavidin 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 MASP2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of MASP2 can be calculated.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| NCBI GI #                        | 21264363                                                        |
| NCBI GeneID                      | 10747                                                           |
| NCBI Accession #                 | NP_006601.2                                                     |
| NCBI GenBank Nucleotide #        | NM_006610.3                                                     |
| Molecular Weight                 | 20,629 Da                                                       |
| NCBI Official Full Name          | mannan-binding lectin serine protease 2 isoform 1 preproprotein |
| NCBI Official Synonym Full Names | mannan-binding lectin serine peptidase 2                        |
| NCBI Official Symbol             | MASP2                                                           |
| NCBI Official Synonym Symbols    | sMAP; MAP19; MASP-2; MASP1P1                                    |
| NCBI Protein Information         | mannan-binding lectin serine protease 2                         |
| UniProt Protein Name             | Mannan-binding lectin serine protease 2                         |
| UniProt Gene Name                | <b>MASP2</b>                                                    |
| UniProt Synonym Gene Names       | MASP-2                                                          |
| UniProt Entry Name               | MASP2_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/masp2-human-elisa-kits/mannan-binding-lectin-serine-protease-2/101700>