

## SEMA3F elisa kit

Mouse SEMA3F PicoKine ELISA Kit

CATALOG #  
**AAA125036**

REACTIVITY  
**Mouse** There is no detectable cross-reactivity with other relevant proteins.

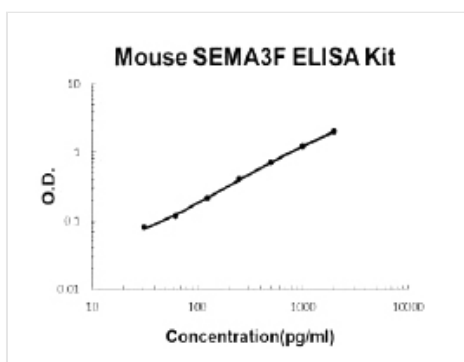
### PRODUCT SYNONYMS

SEMA3F; Mouse SEMA3F PicoKine ELISA Kit; Mouse SEMA3F; Semaphorin-3F; Semaphorin IV; Sema IV; Sema3f; Sema domain; immunoglobulin domain (Ig); short basic domain; secreted; (semaphorin) 3F; SEMA3F elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse<br>There is no detectable cross-reactivity with other relevant proteins.                                                                        |
| Specificity             | Natural and recombinant Mouse Scgb3a1                                                                                                                 |
| Sequence Length         | 754                                                                                                                                                   |
| Samples                 | Cell Culture Supernates, Serum And Plasma (Heparin, Edta)                                                                                             |
| Detection Range         | 15.6pg/ml-1000pg/ml                                                                                                                                   |
| Sensitivity             | <5pg/ml                                                                                                                                               |
| Intra-assay Precision   | Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision      |
| Inter-assay Precision   | Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision. |
| Preparation and Storage | Store at 4 degree C for 6 months. Store at -20 degree C for 12 months.<br>Avoid multiple freeze-thaw cycles.                                          |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Related Product Information for SEMA3F elisa kit | Principle of the Assay: The Picokine Mouse Scgb3a1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Scgb3a1 with a 96-well strip plate that is pre-coated with antibody specific for Scgb3a1. The detection antibody is a biotinylated antibody specific for Scgb3a1. The capture antibody is a monoclonal antibody from rat, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Mouse Scgb3a1 with immunogen: Expression system for standard: E.coli, Immunogen sequence: F22-G104. The kit is analytically validated with ready to use reagents. To measure Mouse Scgb3a1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Mouse Scgb3a1 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Scgb3a1 in the sample!!Background/Introduction: Secretoglobin family 3A member 1 is a protein that in humans is encoded by the SCGB3A1 gene. This gene encodes a small secreted protein that may function in the inhibition of cell growth. Expression of the related gene in humans is downregulated via DNA methylation in breast cancers and other tumor types. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
| NCBI GI #                        | 902967460                                                                              |
| NCBI GeneID                      | 20350                                                                                  |
| NCBI Accession #                 | NP_001298080.1                                                                         |
| NCBI GenBank Nucleotide #        | NM_001311151.1                                                                         |
| UniProt Accession #              | O88632; O88633; E9QNC5                                                                 |
| Molecular Weight                 | 85,189 Da                                                                              |
| NCBI Official Full Name          | semaphorin-3F isoform 1                                                                |
| NCBI Official Synonym Full Names | sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F |
| NCBI Official Symbol             | Sema3f                                                                                 |
| NCBI Official Synonym Symbols    | Sema4; Semak                                                                           |
| NCBI Protein Information         | semaphorin-3F                                                                          |
| UniProt Protein Name             | Semaphorin-3F                                                                          |
| UniProt Gene Name                | <b>Sema3f</b>                                                                          |
| UniProt Synonym Gene Names       | Sema IV                                                                                |

**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/mouse-elisa-kits/sema3f/125036>