

Human SEMA6D ELISA Kit | SEMA6D elisa kit

Human SEMA6D PicoKine ELISA Kit

CATALOG #
AAA125267

REACTIVITY
Human

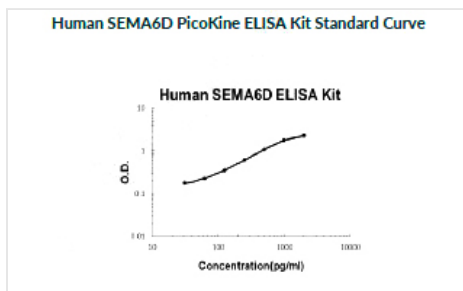
PRODUCT SYNONYMS

SEMA6D; Human SEMA6D PicoKine ELISA Kit; Human SEMA6D; semaphorin 6D; Semaphorin-6D; KIAA1479; SEMA6D elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human SEMA6D
Sequence Length	597
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<20pg/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 across 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. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SEMA6D elisa kit	Principle of the Assay: The Picokine™ Human SEMA6D Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human SEMA6D with a 96-well strip plate that is pre-coated with antibody specific for SEMA6D. The detection antibody is a biotinylated antibody specific for SEMA6D. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human SEMA6D with immunogen: Expression system for standard: NSO, Immunogen sequence: V21-N662. The kit is analytically validated with ready to use reagents. To measure Human SEMA6D, 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 unbound 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 proportional to Human SEMA6D 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 Human SEMA6D in the sample.!!Background/Introduction: Semaphorin 6D (Sema6D) is a 130 ? 135 kDa member of the Semaphorin family of axon guidance molecules. This gene is mapped to 15q21.1. Semaphorins are a large family, including both secreted and membrane associated proteins, many of which have been implicated as inhibitors or chemorepellents in axon pathfinding, fasciculation and branching, and target selection. All semaphorins possess a semaphorin (Sema) domain and a PSI domain (found in plexins, semaphorins and integrins) in the N-terminal extracellular portion. Additional sequence motifs C-terminal to the semaphorin domain allow classification into distinct subfamilies. Results demonstrate that transmembrane semaphorins, like the secreted ones, can act as repulsive axon guidance cues. This gene encodes a class 6 vertebrate transmembrane semaphorin that demonstrates alternative splicing. Several transcript variants have been identified and expression of the distinct encoded isoforms is thought to be regulated in a tissueand development-dependent manner.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24234744
NCBI GeneID	80031
NCBI Accession #	NP_705872.1
NCBI GenBank Nucleotide #	NP_705872.1
UniProt Accession #	Q8NFY4
NCBI Official Full Name	semaphorin-6D isoform 5
NCBI Official Synonym Full Names	semaphorin 6D
NCBI Official Symbol	SEMA6D
NCBI Protein Information	semaphorin-6D
UniProt Protein Name	Semaphorin-6D
UniProt Gene Name	SEMA6D
UniProt Synonym Gene Names	KIAA1479

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/human-elisa-kits/sema6d/125267>