

Human Semaphorin-7A (SEMA7A) ELISA Kit | SEMA7A elisa kit

Human Semaphorin-7A (SEMA7A) ELISA Kit

CATALOG #
AAA330919

REACTIVITY
Human

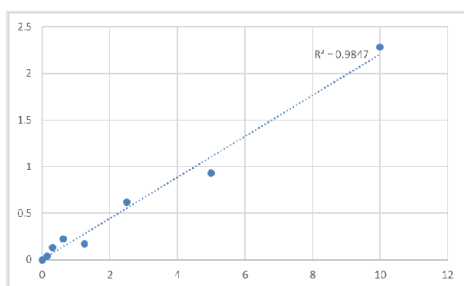
PRODUCT SYNONYMS

Semaphorin-7A (SEMA7A); Human Semaphorin-7A (SEMA7A) ELISA Kit; SEMA7A; CD108; CDw108; H-SEMA-K1; H-Sema-L; JMH; MGC126692; MGC126696; SEMAK1; SEMAL; John Milton Hagen blood group H-Sema K1; sema domain; immunoglobulin domain (Ig); and GPI membrane anchor; (semaphorin) 7; SEMA7A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Semaphorin-7A (SEMA7A) ELISA Kit has high sensitivity and excellent specificity for detection of Human SEMA7A. No significant cross-reactivity or interference between Human SEMA7A and analogues was observed.
Sequence Length	652
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Semaphorin-7A (SEMA7A) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SEMA7A elisa kit	Description: This Human Semaphorin-7A (SEMA7A) ELISA Kit employs a two-site sandwich ELISA to quantitate SEMA7A in samples. An antibody specific for SEMA7A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SEMA7A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SEMA7A is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SEMA7A bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SEMA7A is a membrane-bound semaphorin that associates with cell surfaces via a glycosylphosphatidylinositol (GPI) linkage. SEMA7A is also known as the John-Milton-Hagen (JMH) blood group antigen, an 80-kD glycoprotein expressed on activated lymphocytes and erythrocytes. Czopik et al. (2006) found that T cells from immunized Sema7a ^{-/-} mice had increased proliferative responses to antigen that were not attributable to Sema7a deficiency on macrophages or dendritic cells. Sema7a ^{-/-} mice were prone to die at the onset of experimental autoimmune encephalomyelitis (EAE) and had higher clinical EAE scores compared with wildtype littermates. Delayed-type hypersensitivity responses were also enhanced in Sema7a ^{-/-} mice.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	225637520
NCBI GeneID	8482
NCBI Accession #	NP_001139501.1
NCBI GenBank Nucleotide #	NP_001139501.1
UniProt Accession #	O75326
NCBI Official Full Name	semaphorin-7A isoform 2
NCBI Official Synonym Full Names	semaphorin 7A (John Milton Hagen blood group)
NCBI Official Symbol	SEMA7A
NCBI Official Synonym Symbols	JMH; CD108; SEMAL; CDw108; SEMAK1; H-Sema-L; H-SEMA-K1
NCBI Protein Information	semaphorin-7A
UniProt Protein Name	Semaphorin-7A
UniProt Gene Name	SEMA7A
UniProt Synonym Gene Names	CD108; SEMAL; Sema K1; Sema L
UniProt Entry Name	SEM7A_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.