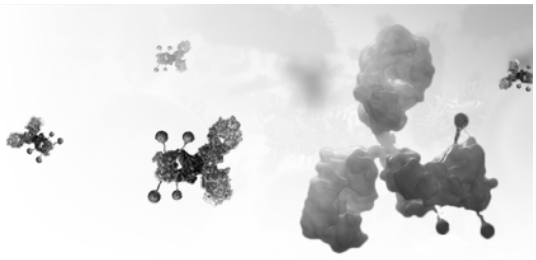

Human SEMA3A blocking peptide (DAG-P1108)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene is a member of the semaphorin family and encodes a protein with an Ig-like C2-type (immunoglobulin-like) domain, a PSI domain and a Sema domain. This secreted protein can function as either a chemorepulsive agent, inhibiting axonal outgrowth, or as a chemoattractive agent, stimulating the growth of apical dendrites. In both cases, the protein is vital for normal neuronal pattern development. Increased expression of this protein is associated with schizophrenia and is seen in a variety of human tumor cell lines. Also, aberrant release of this protein is associated with the progression of Alzheimers disease. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Applications	BL, ELISA
Format	Liquid
Buffer	Preservative: 0.05% Sodium Azide Constituents: PBS
Preservative	0.05% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Preservative: 0.05% Sodium Azide Constituents: PBS

GENE INFORMATION

Gene Name	SEMA3A sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A [Homo sapiens (human)]
Official Symbol	SEMA3A
Synonyms	SEMA3A; sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A; HH16; SemD; COLL1; SEMA1; SEMAD; SEMAL; coll-1; Hsema-I; SEMAIII;

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	Hsema-III; semaphorin-3A; collapsin 1; semaphorin D; semaphorin L; semaphorin III;
Entrez Gene ID	10371
mRNA Refseq	NM_006080.2
Protein Refseq	NP_006071.1
UniProt ID	Q14563
Chromosome Location	7p12.1
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; CRMPs in Sema3A signaling, organism-specific biosystem; Developmental Biology, organism-specific biosystem; SEMA3A-Plexin repulsion signaling by inhibiting Integrin adhesion, organism-specific biosystem; Sema3A PAK dependent Axon repulsion, organism-specific biosystem; Semaphorin interactions, organism-specific biosystem;
Function	chemorepellent activity; receptor activity; semaphorin receptor binding;

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