



Human SEMA4D peptide (DAG-P1139)

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

PRODUCT INFORMATION

Antigen Description	May play a functional role in the immune system, as well as in the nervous system. Induces B-cells to aggregate and improves their viability in vitro.
Specificity	Strongly expressed in skeletal muscle, peripheral blood lymphocytes, spleen, and thymus and also expressed at lower levels in testes, brain, kidney, small intestine, prostate, heart, placenta, lung and pancreas, but not in colon and liver.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the semaphorin family. Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 PSI domain. Contains 1 Sema domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	SEMA4D sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D [Homo sapiens (human)]
Official Symbol	SEMA4D
Synonyms	SEMA4D; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D; CD100; SEMAJ; coll-4; C9orf164; M-sema-G; semaphorin-4D; A8; GR3; BB18; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, 4D;

Entrez Gene ID	10507
mRNA Refseq	NM_001142287.1
Protein Refseq	NP_001135759.1
UniProt ID	Q92854
Chromosome Location	9q22.2
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Other semaphorin interactions, organism-specific biosystem; Sema4D in semaphorin signaling, organism-specific biosystem; Sema4D induced cell migration and growth-cone collapse, organism-specific biosystem; Sema4D mediated inhibition of cell attachment and migration, organism-specific biosystem; Semaphorin interactions, org
Function	protein binding; receptor activity; receptor binding; semaphorin receptor binding; semaphorin receptor binding; transmembrane signaling receptor activity;