



# Human SEMA3B peptide (DAG-P1144)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene belongs to the class-3 semaphorin/collapsin family, whose members function in growth cone guidance during neuronal development. This family member inhibits axonal extension and has been shown to act as a tumor suppressor by inducing apoptosis. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Feb 2014]
<b>Specificity</b>	Expressed abundantly but differentially in a variety of neural and nonneural tissues.
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the semaphorin family.Contains 1 Ig-like C2-type (immunoglobulin-like) domain.Contains 1 PSI domain.Contains 1 Sema domain.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	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

<b>Gene Name</b>	<a href="#">SEMA3B sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	SEMA3B
<b>Synonyms</b>	SEMA3B; sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B; Sema; SEMA5; SEMAA; semaV; LUCA-1; semaphorin-3B; sema A(V);

semaphorin A; semaphorin-V;

<b>Entrez Gene ID</b>	<a href="#">7869</a>
<b>mRNA Refseq</b>	<a href="#">NM_001005914.2</a>
<b>Protein Refseq</b>	<a href="#">NP_001005914.1</a>
<b>UniProt ID</b>	Q13214
<b>Chromosome Location</b>	3p21.3
<b>Pathway</b>	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem;
<b>Function</b>	receptor activity;