

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



SEMA3C (E750) Peptide

Cat No.: BS3705P

Background

SEMA3C (also designated Semaphorin 3C, Semaphorin E, SEMAE, SemE, sema domain, immunoglobulin domain (Ig) and short basic domain, secreted) is an ubiquitous protein of approximately 70 kDa that mediates axonal guidance, repulsive gradients, induction of growth cone collapse and cell survival/death. Secreted SEMA3C favors survival and neuritogenesis of cultured cerebellar granule neurons (CGNs). SEMA3C from macrophages and fibroblasts that selectively directs against sympathetic nerve fibers may be one element responsible for reduced sympathetic innervation in rheumatoid arthritis tissue. SEMA3C mutant mice die within hours after birth from congenital cardiovascular defects consisting of interruption of the aortic arch and improper septation of the cardiac outflow tract. SEMA3C is expressed in the cardiac outflow tract as neural crest cells and promotes crest cell migration into the proximal cardiac outflow tract.

Swiss-Prot

Q99985

Applications

Blocking

Specificity

This peptide can be used with studies using BS3705 SEMA3C (E750) pAb.

Purification & Purity

Synthetic peptide SEMA3C (E750). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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