

Product datasheet

Human Semaphorin 3A peptide ab88818

1 References

Description

Product name	Human Semaphorin 3A peptide
Biological activity	The peptide is specifically recognized by anti-Sema3A (Central region) antibody (ab23393) in ELISA, and has been shown to block the reactivity of ab23393 during Western blot. In addition, the peptide is recommended for use in blocking ab23393 reactivity in immunocytochemistry.
Animal free	No
Nature	Synthetic
Species	Human
Sequence	Semaphorin 3A synthetic peptide corresponds to amino acids in the central region of human Sema3A. This sequence is highly conserved in rat and mouse Sema3A, and has low homology to other semaphorin family members.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab88818** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Blocking - Blocking peptide for Anti-Semaphorin 3A antibody (ab23393) ELISA
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Preservative: 0.05% Sodium azide Constituent: PBS
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General Info

Relevance	One family of inhibitory axon guidance molecules is the semaphorins. The semaphorins include secreted, transmembrane, and GPI anchored extracellular molecules that are involved in regulating axon guidance by inhibiting axons from growing toward incorrect targets. Semaphorin
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3A (Sema3A) may play a particularly interesting role in limiting axon regeneration since it is expressed in meningeal fibroblasts that invade the injured spinal cord and surround the glial scar. In addition, the Sema3A co receptors, Neuropilin 1 and Plexin A1, are expressed on axons that regenerate up to the injured region, but do not cross this Sema3A containing region. Thus, Sema3A and its co receptors may have important roles in regulating axon guidance during neuronal development and after neuronal injury.

Cellular localization

Secreted

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