

SEMA7A Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP21852b

Specification

SEMA7A Blocking Peptide (C-term) - Product Information

Primary Accession

[O75326](#)**SEMA7A Blocking Peptide (C-term) - Additional Information**

Gene ID 8482

Other Names

Semaphorin-7A, CDw108, JMH blood group antigen, John-Milton-Hargen human blood group Ag, Semaphorin-K1, Sema K1, Semaphorin-L, Sema L, CD108, SEMA7A, CD108, SEMAL

Target/Specificity

The synthetic peptide sequence is selected from aa 541-555 of HUMAN SEMA7A

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SEMA7A Blocking Peptide (C-term) - Protein Information

Name SEMA7A

Synonyms CD108, SEMAL

Function

Plays an important role in integrin-mediated signaling and functions both in regulating cell migration and immune responses. Promotes formation of focal adhesion complexes, activation of the protein kinase PTK2/FAK1 and subsequent phosphorylation of MAPK1 and MAPK3. Promotes production of pro-inflammatory cytokines by monocytes and macrophages. Plays an important role in modulating inflammation and T-cell-mediated immune responses. Promotes axon growth in the embryonic olfactory bulb. Promotes attachment, spreading and dendrite outgrowth in melanocytes.

Cellular Location

Cell membrane; Lipid-anchor, GPI-anchor; Extracellular side. Note=Detected in a punctate pattern on the cell membrane of basal and supra-basal skin keratinocytes

Tissue Location

Detected in skin keratinocytes and on endothelial cells from skin blood vessels (at protein level).
Expressed in fibroblasts, keratinocytes, melanocytes, placenta, testis, ovary, spleen, brain, spinal cord, lung, heart, adrenal gland, lymph nodes, thymus, intestine and kidney.

SEMA7A Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SEMA7A Blocking Peptide (C-term) - Images**SEMA7A Blocking Peptide (C-term) - Background**

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SEMA7A Blocking Peptide (C-term) - References

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Xu X.,et al.J. Biol. Chem. 273:22428-22434(1998).
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Ota T.,et al.Nat. Genet. 36:40-45(2004).