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Datasheet for ABIN6253441

Sema4a Protein (AA 1-676) (Fc Tag)

Overview

Quantity:	100 µg
Target:	Sema4a
Protein Characteristics:	AA 1-676
Origin:	Mouse
Source:	CHO Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Sema4a protein is labelled with Fc Tag.

Product Details

Purpose:	Semaphorin-4A (mouse):Fc (human) (rec.)
Specificity:	The extracellular domain of mouse Semaphorin-4A (aa 1-676) is fused to the N-terminus of the Fc region of human IgG1.
Characteristics:	<p>Protein. The extracellular domain of mouse Semaphorin-4A (aa 1-676) is fused to the N-terminus of the Fc region of human IgG1. Source: CHO cells. Endotoxin content: <0.06EU/µg protein (LAL test, Lonza). Lyophilized from 0.2µm-filtered solution in PBS. Purity: >98 % (SDS-PAGE). Semaphorin 4A (Sema4A, previously semB) is a Class 4 transmembrane Semaphorin with activity in the immune and nervous systems. Sema4A was first described as a molecule that enhances T cell activation and interacts with TIM2 (T cell immunoglobulin and mucin domain 2). Mice with targeted disruption of Sema4A show defects in dendritic cell-mediated T cell priming and Th1 responses. Roles for Sema4A have also been identified in the brain, the endothelium and the eye. It mediates hippocampal neuron growth cone collapse in vitro through interaction of the sema domain with plexinB1. Interaction of Sema4A with endothelial</p>

Product Details

	cell plexinD1 causes opposition to the angiogenic, proliferative, chemotactic and integrin mediated adhesive actions of VEGF.
Purity:	>98 % (SDS-PAGE)
Endotoxin Level:	<0.06EU/μg protein (LAL test, Lonza).

Target Details

Target:	Sema4a
Alternative Name:	Semaphorin-4A (Sema4a Products)
Background:	<p>Alternate Names/Synonyms: Sema4a, Semaphorin-B, Sema B</p> <p>Product Description: Semaphorin 4A (Sema4A, previously semB) is a Class 4 transmembrane Semaphorin with activity in the immune and nervous systems. Sema4A was first described as a molecule that enhances T cell activation and interacts with TIM2 (T cell immunoglobulin and mucin domain 2). Mice with targeted disruption of Sema4A show defects in dendritic cell mediated T cell priming and Th1 responses. Roles for Sema4A have also been identified in the brain, the endothelium and the eye. It mediates hippocampal neuron growth cone collapse in vitro through interaction of the sema domain with plexinB1. Interaction of Sema4A with endothelial cell plexinD1 causes opposition to the angiogenic, proliferative, chemotactic and integrin mediated adhesive actions of VEGF.</p>
NCBI Accession:	NP_038686

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Concentration:	Lot specific
Buffer:	Lyophilized from 0.2μm-filtered solution in PBS.
Handling Advice:	Avoid freeze/thaw cycles.
Storage:	4 °C, -20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C

Use & Stability: Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.