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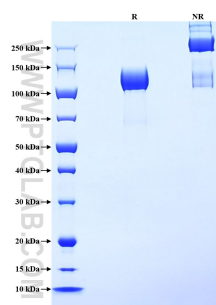
Recombinant Mouse Semaphorin 4D/CD100 protein (rFc Tag)



Catalog Number: Eg1432

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/ µg protein, LAL method Source: HEK293-derived Mouse Semaphorin 4D protein Phe24-Arg733 (Accession# 009126) with a rabbit IgG Fc tag at the C-terminus. GeneID: 20354 Accession: 009126 Predicted Molecular Mass: 105.1 kDa SDS-PAGE: 110-150 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	CD100 (also known as SEMA4D), a 150 kDa homodimer, belongs to the family of immune semaphorins. CD100 is a protein from the semaphorin family with important roles in the vascular, nervous and immune systems. It may be found as a membrane bound dimer or as a soluble molecule originated by proteolytic cleavage. CD100 is expressed by most cells of the hematopoietic system, including lymphoid cells such as B and T lymphocytes and natural killer cells, as well as myeloid cells (neutrophils, platelets, and monocytes) and endothelial cells, and its expression usually increases upon activation).		
References	1.Luque MCA. et al. (2018) Front Cardiovasc Med. 5:136. 2.Luque MC. et al. (2015) Mol Immunol. 67(2 Pt B):559-67. 3.Elhabazi A. et al. (2001) J Immunol. 166(7):4341-7.		
Synonyms	CD100, M-Sema G, Sema J, Sema4d, Semacl2		

Selected Validation Data



Purity of Recombinant Mouse Semaphorin 4D was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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