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Cd99l2
Recombinant Mouse Ephrin-A1 / CD99 (Fc Tag)

Catalog No.	CRM656A-Fc CRM656B-Fc	**Quantity:**	100 µg 200 µg
Alternate Names:	CD99 antigen-like protein 2, MIC2-like protein 1, CD99		
Description:	EPH-related receptor tyrosine kinase ligand 1 (Ephrin-A1) is a member of the Eph family receptor interacting proteins (ephrins) which are a family of proteins that serve as the ligands of the Eph receptor, which compose the largest known subfamily of receptor protein-tyrosine kinases (RTKs). Ephrin-A1 and its Eph family of receptor tyrosine kinases are expressed by cells of the SVZ. Ephrin subclasses are further distinguished by their mode of attachment to the plasma membrane: ephrin-A ligands bind EPHA receptors and are anchored to the plasma membrane via a glycosylphosphatidylinositol (GPI) linkage, whereas ephrin-B ligands bind EPHB receptors and are anchored via a transmembrane domain. An exception is the EPHA4 receptor, which binds both subclasses of ephrins. Ephrin-A1 and one of its receptor EPHA2 were expressed in xenograft endothelial cells and also tumor cells and play a role in human cancers, at least in part by influencing tumor neovascularization.		
UniProt ID:	Q8BIF0		
Accession Number:	NP_612182.1		
Protein Construction:	A DNA sequence encoding the mouse Ephrin-A1 without the pro peptide (Met 1-Ser 182) was fused with the Fc region of human IgG1 at the C-terminus.		
Source:	HEK293 Cells		
Formulation:	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
Molecular Weight:	The secreted rmEphrin-A1/Fc is a disulfide-linked homodimer. The reduced monomer consists of 405 aa with a predicted MW of 46.4 kDa and migrates at ~53 kDa in reduced SDS-PAGE, due to glycosylation.		
Purity:	> 85 % as determined by SDS-PAGE.		
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method		
Biological Activity:	In a functional ELISA, immobilized Mouse EPHA2 at 2 µg/ml (100 µl/well) can bind mouse Ephrin-A1 with a linear range of 0.16-20 ng/ml .		
Predicted N-terminal:	Asp 19		
Reconstitution:	**Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. **DO NOT VORTEX**. Allow several minutes for complete reconstitution.		
Storage & Stability:	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. **Avoid repeated freeze-thaw cycles.**		

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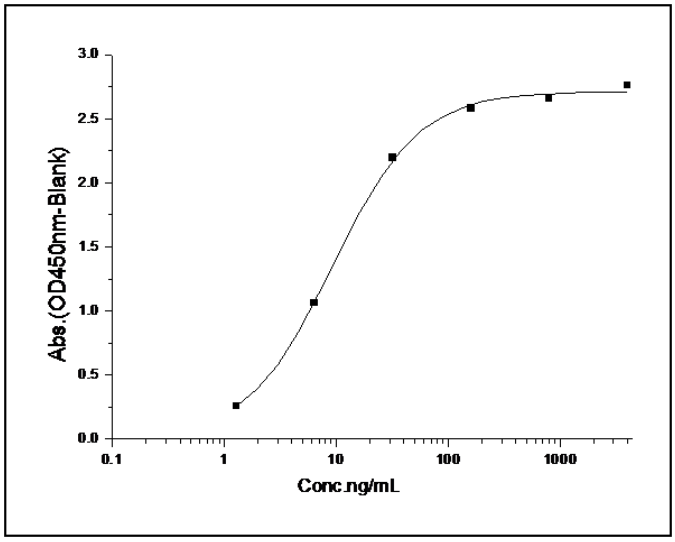
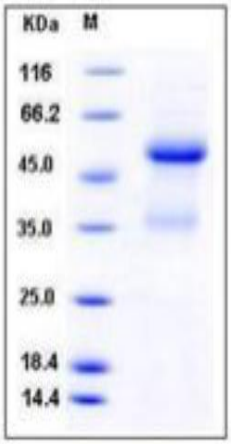
Measured by its binding ability in a functional ELISA. Immobilized Mouse EPHA2 at 2 µg/ml (100 µl/well) can bind mouse Ephrin-A1 with a linear range of 0.16-20 ng/ml.



SDS-PAGE



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