

Datasheet for ABIN7275523

ROBO4 Protein (AA 27-469) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ROBO4
Protein Characteristics:	AA 27-469
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ROBO4 protein is labelled with His tag.

Product Details

Purpose:	Human ROBO4 Protein
Sequence:	Ala27-Glu469
Characteristics:	Recombinant Human ROBO4 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala27-Glu469.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human ROBO4, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-ROBO4 Antibody, hFc Tag with the EC50 of 26.1ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	ROBO4
Alternative Name:	ROBO4 (ROBO4 Products)
Background:	Roundabout4 (Robo4) is a transmembrane receptor that belongs to the Roundabout (Robo) family of axon guidance molecules. Robo4 is an endothelial-specific receptor that participates in endothelial cell migration, proliferation, and angiogenesis and the maintenance of vasculature homeostasis. Robo4 is a promising and potentially valuable therapeutic target for treating pathological angiogenesis and developmental defects in angiogenesis.
Molecular Weight:	47.8 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Tris-Bis PAGE result.

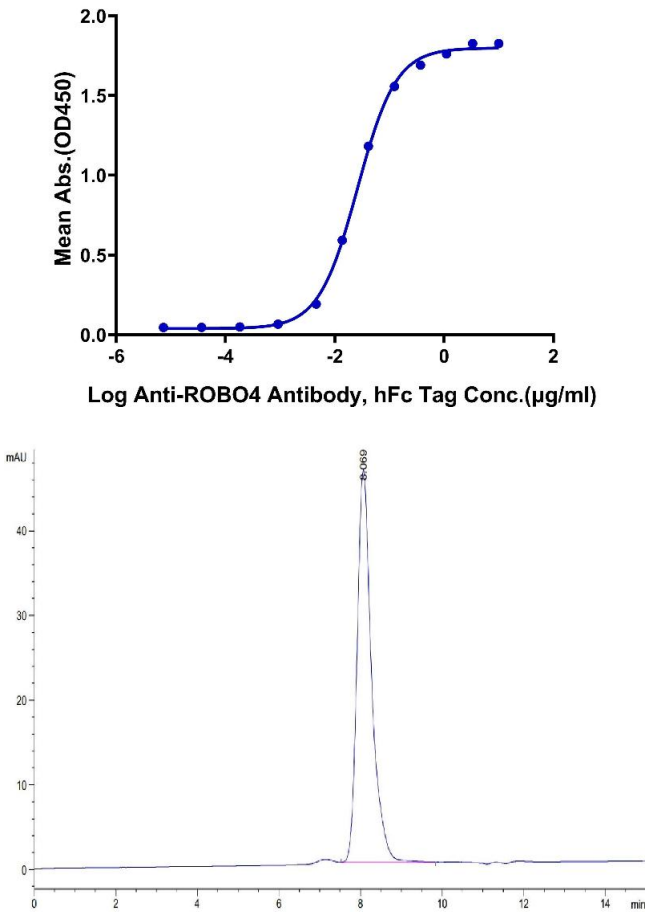
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Human ROBO4, His Tag ELISA
0.05µg Human ROBO4, His Tag Per Well

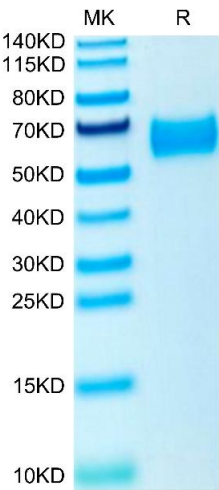


ELISA

Image 1. Immobilized Human ROBO4, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-ROBO4 Antibody, hFc Tag with the EC50 of 26.1 ng/mL determined by ELISA.

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human ROBO4 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human ROBO4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .