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Datasheet for ABIN2870709

TNFSF9 Protein (AA 104-309) (Fc Tag)

2 Images

Overview

Quantity:	50 µg
Target:	TNFSF9
Protein Characteristics:	AA 104-309
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TNFSF9 protein is labelled with Fc Tag.

Product Details

Sequence:	AA 104-309
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 49 kDa. The protein migrates as 60-70 kDa under reducing (R) condition (SDS-PAGE) due to Glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	TNFSF9
Alternative Name:	4-1BB Ligand (TNFSF9 Products)

Target Details

Background: Tumor necrosis factor ligand superfamily member 9 (4-1BBL) is also known as 4-1BB ligand, CD137L or TNFSF9, which is a cytokine that binds to TNFRSF9. 4-1BBL is the high affinity ligand of 4-1BB. 4-1BBL induces the proliferation of activated peripheral blood T-cells. Also, 4-1BBL may have a role in activation-induced cell death (AICD). Furthermore, 4-1BBL may play a role in cognate interactions between T-cells and B-cells/macrophages. As for diseases, 4-1BBL is involved in cancers, infectious diseases and autoimmune diseases.

Molecular Weight: 49.0 kDa

NCBI Accession: [NP_033430](#)

Pathways: [Activated T Cell Proliferation](#), [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

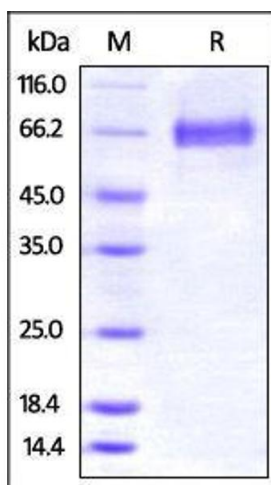
Format: Lyophilized

Buffer: Tris with Glycine, Arginine and NaCl, pH 7.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

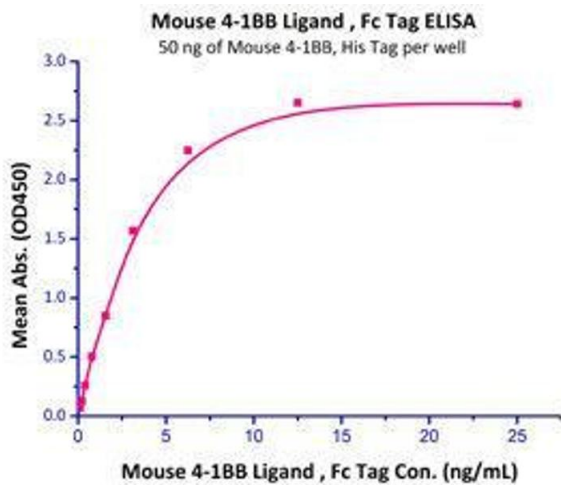
Storage: -20 °C

Images



SDS-PAGE

Image 1. Mouse 4-1BB Ligand , Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.



Binding Studies

Image 2. Immobilized Mouse 4-1BB, His Tag (Cat# 41B-M52H7) at 0.5µg/mL (100 µl/well), can bind Mouse 4-1BB Ligand , Fc Tag (Cat# 41L-M5257) with a linear of 0.1-3 ng/mL.