

ARG70406 Mouse CD255 / TWEAK recombinant protein (Active) (His-tagged, C-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

Product Description	E. coli expressed, His-tagged (C-ter) Active Mouse CD255 / TWEAK recombinant protein
Tested Application	SDS-PAGE
Target Name	CD255 / TWEAK
Species	Mouse
A.A. Sequence	His110 - His249
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to induce proliferation in HUVEC cells. The ED50 for this effect is < 0.2 µg/mL.
Alternate Names	TNFSF12; TNF Superfamily Member 12; TWEAK; DR3LG; APO3L; Tumor Necrosis Factor (Ligand) Superfamily, Member 12; Tumor Necrosis Factor Ligand Superfamily Member 12; APO3 Ligand; Tumor Necrosis Factor Superfamily Member 12; TNF-Related WEAK Inducer Of Apoptosis; TNF-Related Weak Inducer Of Apoptosis; Tumor Necrosis Factor Ligand 4A; APO3/DR3 Ligand; TNLG4A

Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

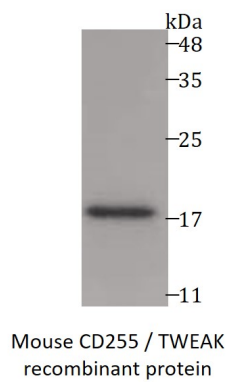
Bioinformation

Gene Symbol	TNFSF12
Gene Full Name	TNF Superfamily Member 12
Background	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein is a ligand for the FN14/TWEAKR receptor. This cytokine has overlapping signaling functions with TNF, but displays a much wider tissue distribution. This cytokine, which exists in both membrane-bound and secreted forms, can induce apoptosis via multiple pathways of cell death in a cell type-specific manner. This cytokine is also found to promote proliferation and migration of endothelial cells, and thus acts as a regulator of angiogenesis. Alternative splicing results in multiple transcript

variants. Some transcripts skip the last exon of this gene and continue into the second exon of the neighboring TNFSF13 gene; such read-through transcripts are contained in GeneID 407977, TNFSF12-TNFSF13.

Function	Binds to FN14 and possibly also to TNFSF12/APO3. Weak inducer of apoptosis in some cell types. Mediates NF-kappa-B activation. Promotes angiogenesis and the proliferation of endothelial cells. Also involved in induction of inflammatory cytokines. Promotes IL8 secretion.
PTM	Cleavage on pair of basic residues, Disulfide bond, Glycoprotein
Cellular Localization	Cell membrane, Membrane, Secreted

Images



ARG70406 Mouse CD255 / TWEAK recombinant protein (Active) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70406 Mouse CD255 / TWEAK recombinant protein (Active) (His-tagged, C-ter)