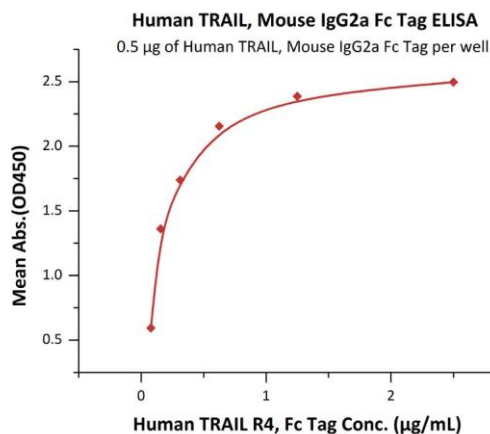
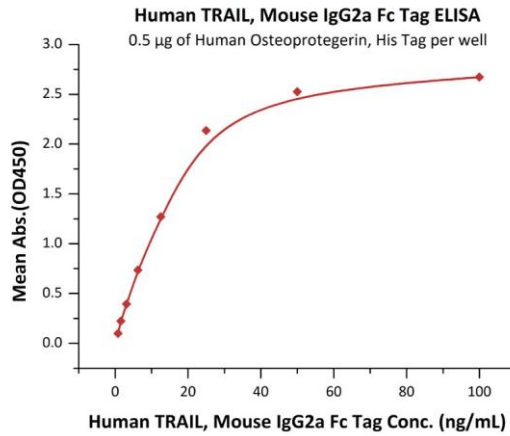


Human CellExp™ TNFRSF10, Fc Tag, Human Recombinant

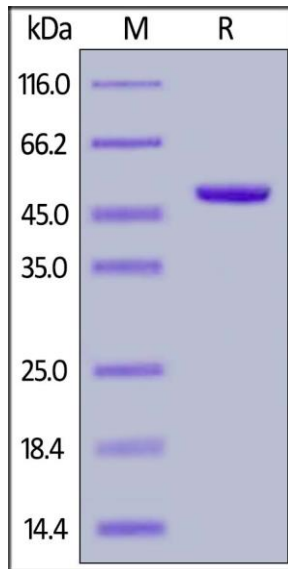
CATALOG NO:	P1489-10 10 µg P1489-50 50 µg
ALTERNATE NAMES:	Apo-2L, TRAIL, CD253, TNFSF10, Apo-2 ligand
MOL. WT.	This protein carries a mouse IgG2a Fc tag at the N-terminus. The protein has a calculated MW of 46.4 kDa. The protein migrates as 47-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
SOURCE:	HEK 293 cells
PURITY:	>95%
ENDOTOXIN:	Less than 1.0 EU per µg by the LAL method.
FORM:	Lyophilized
FORMULATION:	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
RECONSTITUTION:	Reconstitute in sterile deionized water to the desired protein concentration.
SPECIFIC ACTIVITY:	This protein carries a mouse IgG2a Fc tag at the N-terminus. The protein has a calculated MW of 46.4 kDa. The protein migrates as 47-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -80°C and use within 3 months. Avoid repeated freezing and thawing cycles.
DESCRIPTION:	TRAIL, also known as TNFSF10, APO2L, Apo-2L, CD253, TL2, TRAIL, TNLG6A and TNF superfamily member 10. The TRAIL gene as a drug target, induces apoptosis. Its activity may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and TNFRSF11B/OPG that cannot induce apoptosis. TRAIL also binds the receptors DcR1 and DcR2, which do not contain a cytoplasmic domain (DcR1) or contain a truncated death domain (DcR2). DcR1 functions as a TRAIL-neutralizing decoy-receptor. The cytoplasmic domain of DcR2 is functional and activates NFκB. In cells expressing DcR2, TRAIL binding therefore activates NFκB, leading to transcription of genes known to antagonize the death signaling pathway and/or to promote inflammation.
AMINO ACID SEQUENCE:	AA Val 114 - Gly 281



Immobilized Human TRAIL, Mouse IgG2a Fc Tag at 5 µg/mL (100 µL/well) can bind Human TRAIL R4, Fc Tag with a linear range of 0.01-0.313 µg/mL



Immobilized Human Osteoprotegerin, His Tag at 5 µg/mL (100 µL/well) can bind Human TRAIL, Mouse IgG2a Fc Tag with a linear range of 0.8-13 ng/mL



Human TRAIL, Mouse IgG2a 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%.

RELATED PRODUCTS:

- Human CellExp™ TNFRSF10D / TRAIL R4, human recombinant (P1140)
- Human CellExp™ TRAIL R2 / TNFRSF10B, Mouse recombinant (P1421)
- Human CellExp™ TNFRSF10D / TRAIL R4, Fc Tag, Human recombinant (P1139)
- Human CellExp™ TNFRSF10A / TRAIL R1, human recombinant (P1141)

FOR RESEARCH USE ONLY! Not to be used on humans.