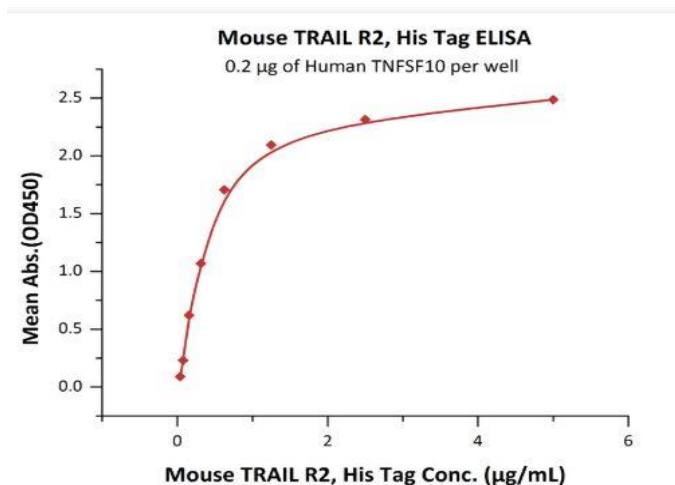
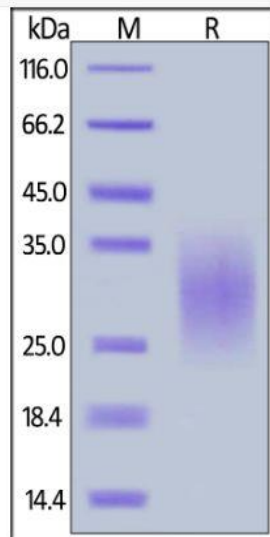


Human CellExp™ TRAIL R2 / TNFRSF10B, Mouse recombinant

CATALOG NO:	P1421-50 50 µg
ALTERNATE NAMES:	TNFRSF10B, TRAILR2, TRAIL-R2, CD262, DR5, KILLER, TRICK2, ZTNFR9, TRICKB
MOL. WT.	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 16.1 kDa. The protein migrates as 25-35 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
SOURCE:	HEK 293 Cells
PURITY:	>90% SDS-PAGE
ENDOTOXIN:	Less than 1.0 EU per µg by the LAL method.
FORM:	Lyophilized powder
FORMULATION:	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
RECONSTITUTION:	Reconstitute in sterile deionized water to the desired protein concentration.
SPECIFIC ACTIVITY:	Immobilized Human TNFSF10 at 2 µg/mL (100 µL/well) can bind Mouse TRAIL R2, His Tag with a linear range of 0.039-0.625 µg/ml.
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -70°C and use within 3 months. Avoid repeated freezing and thawing cycles. -20°C
DESCRIPTION:	Tumor necrosis factor receptor superfamily member 10B (TNFRSF10B) is also known as TNF-related apoptosis-inducing ligand receptor 2 (TRAILR2), Death receptor 5 (DR5), CD262, KILLER, is a member of the TNF-receptor superfamily, and contains an intracellular death domain. TNFRSF10B / DR-5 is widely expressed in adult and fetal tissues; very highly expressed in tumor cell lines. TRAILR2 / CD262 / DR5 is the receptor for the cytotoxic ligand TNFSF10/TRAIL. The adapter molecule FADD (a death domain containing adaptor protein) of TRAIL-R2 / TNFRSF10B recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. CD262 / DR5 Promotes the activation of NF-kappa-B. DR5 is essential for ER stress-induced apoptosis and is regulated by p53/TP53.
AMINO ACID SEQUENCE:	AA Asn 53 - Lys 180



Immobilized Human TNFSF10 at 2 µg/mL (100 µL/well) can bind Mouse TRAIL R2, His Tag with a linear range of 0.039-0.625 µg/ml.



Mouse TRAIL R2, His Tag on SDS-PAGE under reducing (R) condition.

RELATED PRODUCTS:

- DR5 Antibody (Cat# 3062)
- TRAIL Antibody (Cat# 3045)
- Human CellExp™ TNFRSF10B / TRAILR2, human recombinant (Cat# 7448)
- sTRAIL Receptor-2, human recombinant (Cat# 4568)
- Human CellExp™ TNFRSF10D / TRAIL R4, Fc Tag, Human recombinant (Cat# P1139)
- Human CellExp™ TNFRSF10D / TRAIL R4, human recombinant (Cat# P1140)
- Human CellExp™ TNFRSF10A / TRAIL R1, human recombinant (Cat# P1141)

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