

Cat. No. TRL-CM1R2B

Description

Source Recombinant Biotinylated Cynomolgus TRAIL R2/DR5/TNFRSF10B Protein (Primary Amine Labeling) is expressed from HEK293 with His tag at the C-terminus.
It contains Ile58-Ser212.

Accession A0A2K5TXK0

Molecular Weight The protein has a predicted MW of 18.28 kDa. Due to glycosylation, the protein migrates to 30-38 kDa based on Bis-Tris PAGE result.

Endotoxin Less than 1EU per µg by the LAL method.

Purity >95% as determined by Bis-Tris PAGE
>95% as determined by HPLC

Formulation and Storage

Formulation Supplied as 0.22 µm filtered solution in PBS (pH 7.4).

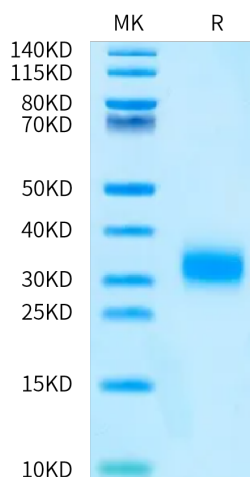
Storage Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

DR5, also called TRAIL R2, TRICK 2, TNFRSF10B, and MK is a type 1 TNF R superfamily, membrane protein which is a receptor for TRAIL (APO2 ligand). DR5 is a receptor for the cytotoxic ligand TNFSF10/TRAIL. 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.

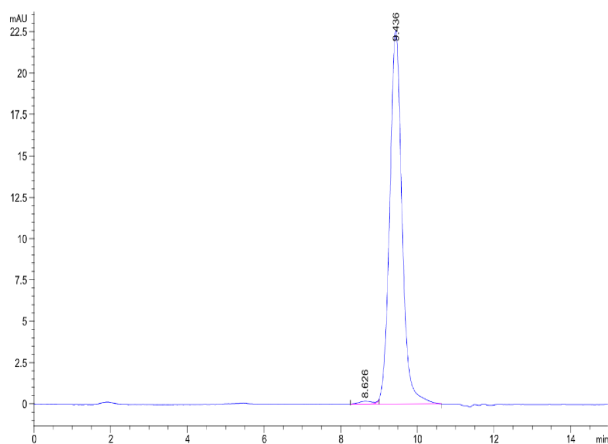
Assay Data

Bis-Tris PAGE



Biotinylated Cynomolgus TRAIL R2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Cynomolgus TRAIL R2 is greater than 95% as determined by SEC-HPLC.

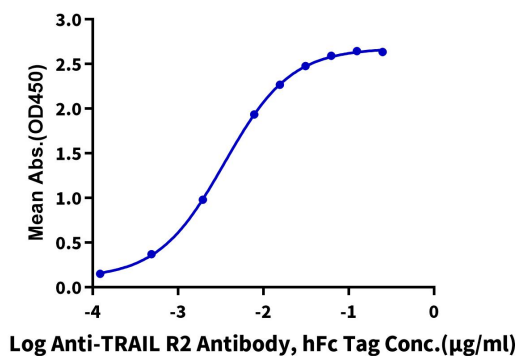
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Assay Data

ELISA Data

Biotinylated Cynomolgus TRAIL R2, His Tag ELISA

0.05µg Biotinylated Cynomolgus TRAIL R2, His Tag Per Well



Immobilized Biotinylated Cynomolgus TRAIL R2, His Tag at 0.5µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for Anti-TRAIL R2 Antibody, hFc Tag with the EC50 of 3.5ng/ml determined by ELISA (QC Test).