Mouse TRAIL R2 / CD262 / TNFRSF10B Protein (His & Fc Tag)

Catalog Number: 50412-M03H

General Information

Gene Name Synonym:
DR5; KILLER; Ly98; MK; TRAILR2; TRICK2A; TRICK2B; TRICKB

Protein Construction:
A DNA sequence encoding the extracellular domain of mouse TNFRSF10B (NP_064671.2) (Met 1-Ser 177) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

Source: Mouse
Expression Host: HEK293 Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Bio Activity:
Immobilized human TNFSF10 (Cat:10409-HNAE) at 10 μg/ml (100 μl/well) can bind mouse TNFRSF10B-Fch. The EC\textsubscript{50} of mouse TNFRSF10B-Fch is 0.07-0.17 μg/ml.

Endotoxin:
< 1.0 EU per μg of the protein as determined by the LAL method

Stability:
Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Asn 53

Molecular Mass:
The recombinant mouse TNFRSF10B/Fc chimera is a disulfide-linked homodimer. The reduced monomer consists of 373 amino acids and has a calculated molecular mass of 41.8 kDa. As a result of glycosylation, the apparent molecular mass of the TNFRSF10B/Fc monomer is approximately 50-55 kDa in SDS-PAGE under reducing conditions.

Formulation:
Lyophilized from sterile PBS, pH 7.4
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:
Store it under sterile conditions at -20 °C to -80 °C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.
Avoid repeated freeze-thaw cycles.

Reconstitution:
Detailed reconstitution instructions are sent along with the products.

References