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Human CellExp TNFRSF10B /TRAILR2, human recombinant protein

TNFRSF10B, TRAILR2, TRAIL-R2, CD262, DR5, KILLER, TRICK2, ZTNFR9, TRICKB
Catalog # PBV11069r

Specification

Human CellExp TNFRSF10B /TRAILR2, human recombinant protein - Product info

Primary Accession	O14763
Calculated MW	**This protein fused with 6×His tag at the C-terminus, has a calculated MW of 15.1 kDa. The predicted N-terminus is Ile 56. DTT-reduced Protein migrates as 15-20 kDa due to glycosylation. KDa**

Human CellExp TNFRSF10B /TRAILR2, human recombinant protein - Additional Info

Gene ID	**8795**
Gene Symbol	**TNFRSF10B**

Other Names
TNFRSF10B, TRAILR2, TRAIL-R2, CD262, DR5, KILLER, TRICK2, ZTNFR9, TRICKB

Gene Source	**Human**
Source	**HEK293 cells**
Assay&Purity	**SDS-PAGE; ≥95%**
Assay2&Purity2	**N/A;**
Recombinant	**Yes**
Results	**Measured by its binding ability in a functional ELISA. Immobilized human TNFRSF10B at 10 µg/ml (100 µl/well) can bind biotinylated TNFSF10 with a linear range of 0.375 - 10 ng/ml.**

Target/Specificity
TNFRSF10B /TRAILR2

Application Notes
Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format
Lyophilized

Storage
-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

Human CellExp TNFRSF10B /TRAILR2, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human CellExp TNFRSF10B /TRAILR2, human recombinant protein - Images

Human CellExp TNFRSF10B /TRAILR2, human recombinant protein - Background

Tumor necrosis factor receptor superfamily member 10B (TNFRSF10B) 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.

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