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Product Information

MemDX™ Antibody Discovery - Human TRAIL R2 / DR5 / TNFRSF10B (56-182) Membrane Protein, Partial, -Avi -His tag, [Biotin]

Cat. No.: **MP0460F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human TRAIL R2 / DR5 / TNFRSF10B (56-182). It has been tested in SDS-PAGE, ELISA. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Human

Target Protein
TRAIL R2 / DR5 / TNFRSF10B

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 16.9 kDa. The protein migrates as 22 kDa and 24 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Ile 56 - Glu 182 (Accession # O14763-1).

Product Description

Activity
Yes

Application
SDS-PAGE, ELISA

Expression Systems
HEK293

Tag
Avi tag at the C-terminus, followed by a His tag.

Protein Format
Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Conjugation

Biotin

Purity

>90% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.
The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile coditions after reconstitution after storage at -80°C.

Target

Target Protein

TRAIL R2 / DR5 / TNFRSF10B

Full Name

TNF receptor superfamily member 10b

Introduction

The protein encoded by this gene is a member of the TNF-receptor superfamily, and contains an intracellular death domain. This receptor can be activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL/APO-2L), and transduces an apoptosis signal. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein. Two transcript variants encoding different isoforms and one non-coding transcript have been found for this gene.

Alternative Names

DR5; CD262; KILLER; TRICK2; TRICKB; ZTNFR9; TRAILR2; TRICK2A; TRICK2B; TRAIL-R2; KILLER/DR5; tumor necrosis factor receptor superfamily member 10B; Fas-like protein; TNF-related apoptosis-inducing ligand receptor 2; apoptosis inducing protein TRICK2A/2B; apoptosis inducing receptor TRAIL-R2; cytotoxic TRAIL receptor-2; death domain containing receptor for TRAIL/Apo-2L; death receptor 5; p53-regulated DNA damage-inducible cell death receptor(killer); tumor necrosis factor receptor superfamily, member 10b; tumor necrosis factor receptor-like protein ZTNFR9

Gene ID

8795

UniProt ID

O14763