

Product Information

Recombinant Anti-Human TNFRSF10B Antibody Fab Fragment

Cat. No.: **MOM-18196-F(P)**

This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Humanized (from mouse) Antibody Fab Fragment binds selectively to Human TRAIL-R2, expressed in E. coli

Antigen Description

Receptor for the cytotoxic ligand TNFSF10/TRAIL. The adapter molecule FADD 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. Promotes the activation of NF-kappa-B.

Specific Activity

Tested positive against native antigen.

Target

TRAIL-R2

Immunogen

The details of the immunogen for this antibody are not available.

Source

Humanized (from mouse)

Species Reactivity

Human

Type

Fab Fragment based on Humanized (from mouse) IgG1

Expression Host

E. coli

Predicted N terminal

H chain: EVQLVES; L Chain: DIQMTQS

Purity

>95.0% as determined by analysis by SDS-PAGE.

Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

Storage

Store at 4°C for up to 3 months. For longer term storage aliquot into small volumes and store at -20°C.

ANTIGEN GENE INFORMATION

Gene Name

[TNFRSF10B tumor necrosis factor receptor superfamily, member 10b \[Homo sapiens \]](#)

Official Symbol

TNFRSF10B

Synonyms

TNFRSF10B; tumor necrosis factor receptor superfamily, member 10b; tumor necrosis factor receptor superfamily member 10B; CD262; DR5; KILLER; TRAIL R2; TRICK2A; TRICKB; Fas-like protein; death receptor 5; cytotoxic TRAIL receptor-2; apoptosis inducing receptor TRAIL-R2; apoptosis inducing protein TRICK2A/2B; TNF-related apoptosis-inducing ligand receptor 2; death domain containing receptor for TRAIL/Apo-2L; tumor necrosis factor receptor-like protein ZTNFR9; p53-regulated DNA damage-inducible cell death receptor(killer); TRICK2; ZTNFR9; TRAILR2; TRICK2B; TRAIL-R2; KILLER/DR5;

Gene ID

[8795](#)

mRNA Refseq

[NM_003842](#)

Protein Refseq

[NP_003833](#)

MIM

[603612](#)

UniProt ID

O14763

Chromosome Location

8p22-p21

Pathway

Activation of Pro-Caspase 8, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis, organism-specific biosystem; Caspase-8 is formed from procaspase-8, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem;

Function

TRAIL binding; protein binding; receptor activity;