



TRAIL Antibody [HS501]

CATALOG NUMBER: 36-136

Specifications

SPECIES REACTIVITY:

TESTED APPLICATIONS:

APPLICATIONS: Western Blot: (1:1000).

USER NOTE: Optimal dilutions for each application to be determined by the researcher.

SPECIFICITY: Recognizes human TRAIL.

IMMUNOGEN: Recombinant human TRAIL.

HOST SPECIES: Mouse

Properties

PURIFICATION: >95% (SDS-PAGE)

PHYSICAL STATE: Liquid

BUFFER: Liquid. In PBS containing 10% glycerol and 0.02% sodium azide.

CONCENTRATION: 1 mg/ml

STORAGE CONDITIONS: Stable for at least 1 year after receipt when stored at -20°C.

CLONALITY: Monoclonal

ISOTYPE: IgG1

CONJUGATE: Unconjugated

Additional Info

ALTERNATE NAMES: Apo-2L; TNFSF10; CD253

ACCESSION NO.: NP_003801

PROTEIN GI NO.: 4507593

OFFICIAL SYMBOL: TNFSF10

GENE ID: 8743

Background

BACKGROUND: TNF-related apoptosis-inducing ligand (TRAIL; Apo2L;CD253; TNFSF10) is a type II transmembrane protein of about 34kDa. Like most members of the tumor necrosis factor (TNF) superfamily of cytokines TRAIL can be cleaved at the cell surface by metalloproteases to form a soluble molecule. Active TRAIL forms trimers and specifically binds to five distinct receptors: TRAIL-R1 (DR4; Apo2; CD261; TNFRSF10A), TRAIL-R2 (DR5; KILLER; TRICK2A; TRICK2B; CD262; TNFRSF10B), TRAIL-R3 (DcR1; LIT; TRID; CD263; TNFRSF10C), TRAIL-R4 (DcR2; TRUND; CD264; TNFRSF10D), and osteoprotegerin (OPG; OCIF; TNFRSF11B). Trimerized TRAIL triggers apoptosis upon ligation of cell surface TRAIL-R1 and/or TRAIL-R2 by inducing the formation of the so-called multiprotein death-inducing signaling complex (DISC).

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