For Research Use Only

TRAIL Monoclonal antibody, PBS Only (Capture)

Catalog Number:66756-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
66756-1-PBS

Size:
100ug , Concentration: 1mg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG25746

GenBank Accession Number:
BC032722

GeneID (NCBI):
8743

UNIPROT ID:
P50591

Full Name:
tumor necrosis factor (ligand) superfamily, member 10

Calculated MW:
281 aa, 33 kDa

Observed MW:
28-30 kDa

Purification Method:
Protein A purification

CloneNo.:
1B9B4

Applications

Tested Applications:
WB, IHC, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

66756-1-PBS targets TRAIL as part of a matched antibody pair:

MP50341-1: 66756-1-PBS capture and 66756-2-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications.Antibody use should be optimized by the end user for each application and assay.

Background Information

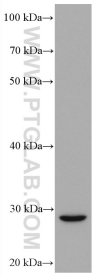
TNFSF10/TRAIL (tumor necrosis factor superfamily member 10) is a typical death ligand expressed on natural killer cells and cytotoxic T lymphocytes. This protein preferentially induces apoptosis in transformed and tumor cells, but does not appear to kill normal cells although it is expressed at a significant level in most normal tissues. TNFSF10 induces apoptotic cell death in cancer by binding to its functional death receptors, death receptor (DR) 4 (TNFRSF10A/TRAIL-R1) and DR5 (TNFRSF10B/TRAIL-R2) to activate the extrinsic apoptosis pathway. TRAIL also activates c-Jun N-terminal kinase (MAPK8/JNK) and the transcription factor nuclear factor-κB (NFκB). The binding of this protein to its receptors has been shown to trigger the activation of MAPK8/JNK, caspase 8, and caspase 3.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

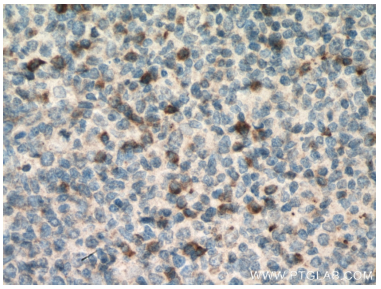
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data

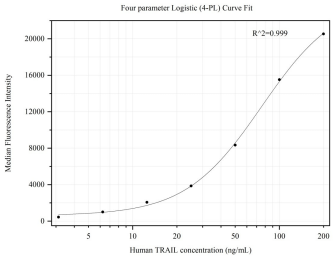


human milk were subjected to SDS PAGE followed by western blot with 66756-1-Ig (TRAIL antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66756-1-PBS in a different storage buffer formulation.

Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66756-1-Ig (TRAIL antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66756-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66756-1-Ig (TRAIL antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66756-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP50341-1, TRAIL Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66756-1-PBS. Detection antibody: 66756-2-PBS. Standard:Ag25746. Range: 3.125-200 ng/mL.