

For Research Use Only

TRAIL Monoclonal antibody

Catalog Number: 66756-1-Ig **3 Publications**



Basic Information

Catalog Number: 66756-1-Ig	GenBank Accession Number: BC032722	Purification Method: Protein A purification
Size: 150ul, Concentration: 1900 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8743	CloneNo.: 1B9B4
Source: Mouse	UNIPROT ID: P50591	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Isotype: IgG1	Full Name: tumor necrosis factor (ligand) superfamily, member 10	
Immunogen Catalog Number: AG25746	Calculated MW: 281 aa, 33 kDa	
	Observed MW: 28-30 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB, IF	WB : human milk tissue,
Species Specificity: human	IHC : human tonsillitis tissue, human prostate cancer tissue
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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- κ B (NF κ B). The binding of this protein to its receptors has been shown to trigger the activation of MAPK8/JNK, caspase 8, and caspase 3.

Notable Publications

Author	Pubmed ID	Journal	Application
Tian Xue	36425649	Front Bioeng Biotechnol	IF
Huan Hou	33963815	Adv Healthc Mater	
Changhong Ke	32375399	Cancers (Basel)	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

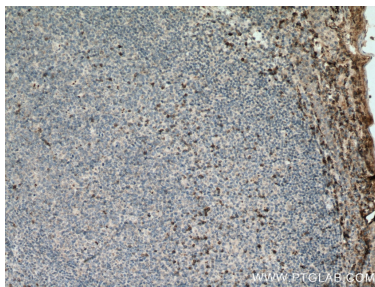
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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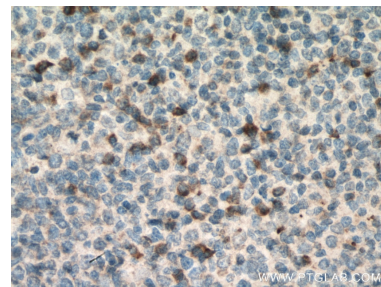
Selected Validation Data



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.



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).



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).