

Mouse TRAIL Monoclonal Antibody | anti-TRAIL antibody

TRAIL (human) monoclonal antibody (2E5)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA77040	Mouse	HumanDoes not cross-react with mouse TRAIL	Functional Assay, Flow Cytometry, Functional Assay

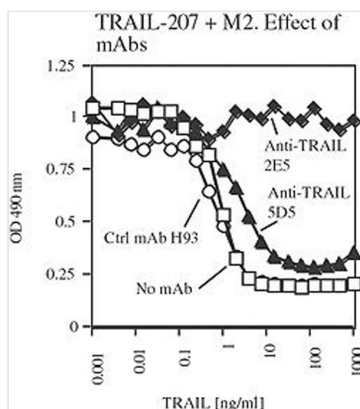
PRODUCT SYNONYMS

TRAIL; Monoclonal Antibody; TRAIL (human) monoclonal antibody (2E5); anti-TRAIL antibody

PRODUCT SPECIFICATIONS

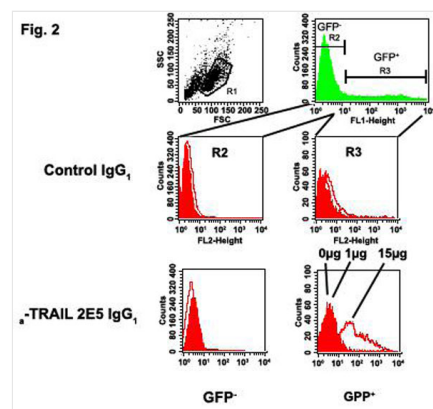
Host	Mouse
Reactivity	Human Does not cross-react with mouse TRAIL
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2E5
Purity/Purification	Protein A-Affinity purified Sterile filtered
Form/Format	Liquid. In PBS, pH7.4. Contains no preservatives
Applicable Applications for anti-TRAIL antibody	FA (Functional Assay), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant human soluble TRAIL (aa 95-281)
Preparation and Storage	Store at 4°C.

IMAGES



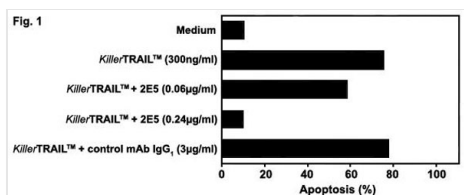
Application Data

Figure 3: Neutralizing effect of MAb to TRAIL (human) (2E5) on TRAIL-induced apoptosis (TRAIL, Soluble (human) (recombinant) Set; containing Enhancer for Ligands)."



Application Data

Figure 2: MAb to TRAIL (human) (2E5) can be used to detect surface human TRAIL in transiently transfected 293T cells in flow cytometry as well as on untransfected cells expressing endogenous surface TRAIL. Method: 293T cells (10cm dishes) were transfected with 0, 1, or 15µg plasmid coding for full length human TRAIL for 24 hours using a standard calcium phosphate transfection method. All dishes were cotransfected with 1µg plasmid coding for EGFP as a cotransfection marker. Viable cells (FSC/SSC region R1), that were GFP-positive (transfected) (FL1 region R3) were analyzed with respect to surface expression of human TRAIL. Cells were stained with MAb to TRAIL (human) (2E5) as well as with an isotype-matched control (control IgG1) at 10µg/ml. Binding of the primary MAb is detected using RPE conjugated goat anti-mouse IgG (FL2)."



Application Data

Figure 1: Apoptosis induced in Jurkat T leukemia cells by Killer TRAIL™ is completely blocked by mouse MAb to TRAIL (human) (2E5) in a concentration range of 0.5-1.5µg/ml. Concentration of MAb 2E5 required for inhibition may vary depending of the cell type studied and the concentration of soluble recombinant human TRAIL used. The neutralizing activity of MAb 2E5 has been confirmed with various sources of soluble recombinant human TRAIL including KillerTRAIL™. Method: Jurkat cells (5x10⁴) were treated with KillerTRAIL™ (300ng/ml) in the presence or absence of the MAb to TRAIL (human) (2E5) or a control IgG1 mouse monoclonal antibody. After 16 hours apoptosis was evaluated by forward/sideward scatter (FSC/SSC) combined with propidium iodide (PI) staining analyzed by flow cytometry."

ADDITIONAL INFORMATION

Product Categories/Family for anti-TRAIL antibody	Cellular Analysis; Cell & Tissue Markers
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NCBI AND UNIPROT INFORMATION

NCBI GI #	300193032
NCBI GeneID	8743
NCBI Accession #	NP_001177871.1
NCBI GenBank Nucleotide #	NM_001190942.1
UniProt Accession #	P50591; A1Y9B3
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 10 isoform 2
NCBI Official Synonym Full Names	tumor necrosis factor (ligand) superfamily, member 10
NCBI Official Symbol	TNFSF10
NCBI Official Synonym Symbols	TL2; APO2L; CD253; TRAIL; Apo-2L
NCBI Protein Information	tumor necrosis factor ligand superfamily member 10; Apo-2 ligand; TNF-related apoptosis inducing ligand TRAIL; tumor necrosis factor (ligand) family, member 10; chemokine tumor necrosis factor ligand superfamily member 10; tumor necrosis factor apoptosis-
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 10
UniProt Gene Name	TNFSF10
UniProt Synonym Gene Names	APO2L; TRAIL; Apo-2L
UniProt Entry Name	TNF10_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/trail-antibody-clone-2e5-functional-assay-flow-cytometry-elisa/77040>