

Mouse anti-Human, Mouse TNFRSF18 / GITR Monoclonal Antibody | anti-TNFRSF18 antibody

Mouse Monoclonal [clone 2H4] (IgG2b,k) to Human TNFRSF18 / GITR

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51919	Mouse	Human, Mouse	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

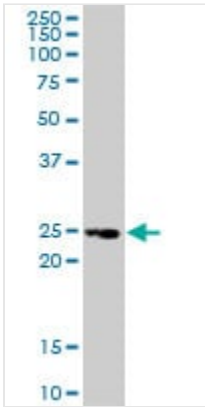
TNFRSF18 / GITR; Monoclonal Antibody; Mouse Monoclonal [clone 2H4] (IgG2b; k) to Human TNFRSF18 / GITR; TNFRSF18; AITR; CD357; CD357 antigen; GITR; GITR-D; anti-TNFRSF18 antibody

PRODUCT SPECIFICATIONS

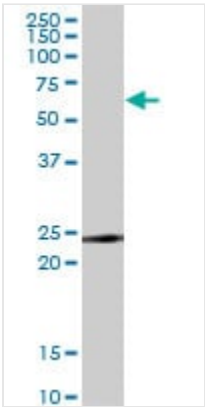
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	2H4
Specificity	Human TNFRSF18
Purity/Purification	Purified from ascites by Protein A
Form/Format	PBS, pH 7.4.
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	241
Applicable Applications for anti-TNFRSF18 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Family/Subfamily	TNF Receptor/ not assigned-TNF Receptor
Target Species	Human
Immunogen Species	TNFRSF18 / GITR antibody was raised against Human
Immunogen	TNFRSF18 / GITR antibody was raised against recombinant protein encoding amino acids 26-115 of human TNFRSF18
Antigen Type	Recombinant protein
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Note	During shipment,small volumes of product will ocassionally become entrapped in the seal of the product vial. We recommend briefly centrifuging the vial to dislodge any liquid in the container's cap prior to opening.
Warning	This reagent may contain sodium azide. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated.Standard Laboratory Practices should be followed. Avoid skin and eye contact,inhalation, and ingestion. Sodium azide forms hydrazoic acid under acidic conditions and may react with lead or copper plubing to form highly explosive metal azides. On disposal, flush with large volumes of water to prevent accumulation.
Preparation and Storage	Store at -20 degree C or lower. Aliquot to avoid repeated freezing and thawing.

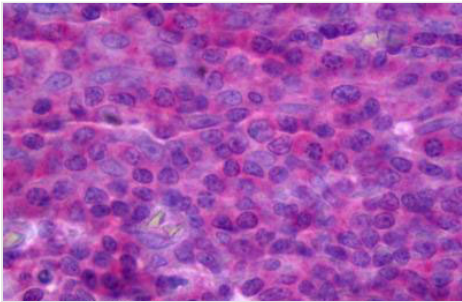
IMAGES



WB (Western Blot)
TNFRSF18 monoclonal antibody, clone 2H4. Western blot of TNFRSF18 expression in HeLa nuclear extracts.



WB (Western Blot)
TNFRSF18 monoclonal antibody, clone 2H4. Western blot of TNFRSF18 expression in NIH/3T3.



IHC (Immunohistochemistry)
Anti-TNFRSF18 antibody IHC of human tonsil. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Product Categories/Family for anti-TNFRSF18 antibody	Family: TNF Receptor
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4759246
NCBI GeneID	8784
NCBI Accession #	NP_004186.1
NCBI GenBank Nucleotide #	NM_004195.2
UniProt Accession #	Q9Y5U5; O95851; Q5U0I4; Q9NYJ9; B1AME1
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 18 isoform 1
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 18
NCBI Official Symbol	TNFRSF18
NCBI Official Synonym Symbols	AITR; GTR; CD357; GTR-D
NCBI Protein Information	tumor necrosis factor receptor superfamily member 18; activation-inducible TNFR family receptor; glucocorticoid-induced TNFR-related protein; TNF receptor superfamily activation-inducible protein
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 18
UniProt Gene Name	TNFRSF18

UniProt Synonym Gene Names	AITR; GITR
UniProt Entry Name	TNR18_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/tnfrsf18-gitr-antibody-clone-2h4-western-blot-immunohistochemistry-elisa/51919>