

Datasheet for 600-401-BL0**GITRL Antibody****Overview**

Description:	Anti-GITRL (RABBIT) Antibody - 600-401-BL0
Item No.:	600-401-BL0
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	The tumor necrosis factor (TNF) and TNF receptor (TNFR) gene superfamilies regulate numerous biological functions including cell proliferation, differentiation, and survival through regulating the activation of the transcription factor NF-κB and various mitogen-activated protein kinases. The glucocorticoid-induced tumor necrosis factor receptor (GITR) is an emerging member of this family that is expressed on CD4+ CD25+ regulatory T cells and appears to have crucial immune regulation functions. Its ligand GITRL is expressed in endothelial and antigen-presenting cells and can activate NF-κB, induce both pro- and anti-apoptotic effects, inhibit the suppressive activity of regulatory T cells, and co-stimulate responder T cells through GITR. Dominant negative forms of NIK and TRAF2 expressed in transfected 293 cells substantially inhibited NF-κB activation, suggesting that the GITRL-GITR pathway involves both NIK and TRAF2.
Synonyms:	GITRL Antibody, TL6, AITRL, GITRL, hGITRL, TL6, UNQ149/PRO175, Tumor necrosis factor ligand superfamily member 18, Activation-inducible TNF-related ligand
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TNFSF18
Reactivity:	Human, Mouse
Immunogen Type:	Recombinant Protein

Immunogen:	Anti-GITRL antibody was prepared from whole rabbit serum produced by repeated immunizations with purified recombinant human GITR ligand.
Purity/Specificity:	Anti-GITRL Antibody is Protein A purified. Cross reactivity with GITRL from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9UNG2 • GeneID - 8995 • NCBI - NP_005083.2

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-GITRL Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 23 kDa in Western Blots of specific cell lysates and tissues. Observed 27kDa. Positive control: human pancreas tissue, mouse spleen tissue.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
WB:	1-4 µg/mL

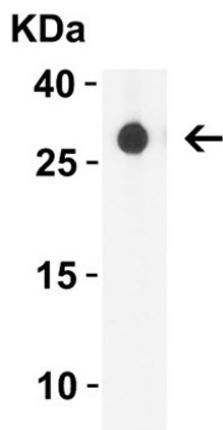
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



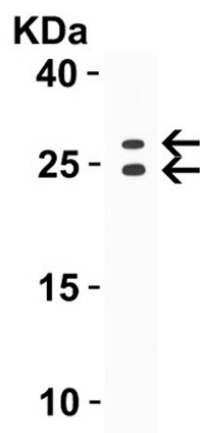
Western Blot

Western Blot Validation of GITRL.

Load: 10 µg of Human Pancreas lysate.

Primary antibody: GITRL at 4 µg/mL for 1 h incubation at RT in 5% NFDm/TBST.

Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



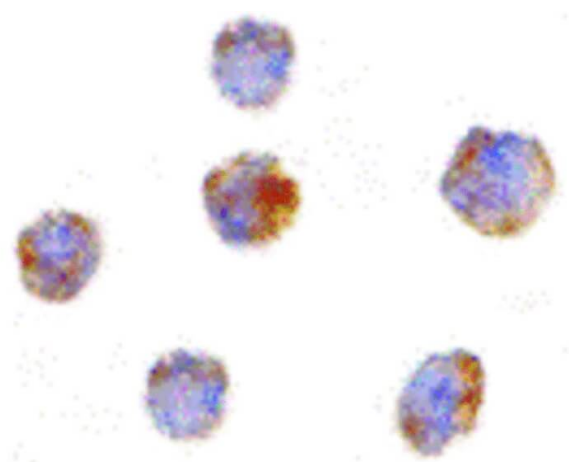
Western Blot

Western Blot Validation of GITRL.

Load: 10 µg of Mouse Spleen lysate.

Primary antibody: GITRL at 4 µg/mL for 1 h incubation at RT in 5% NFDm/TBST.

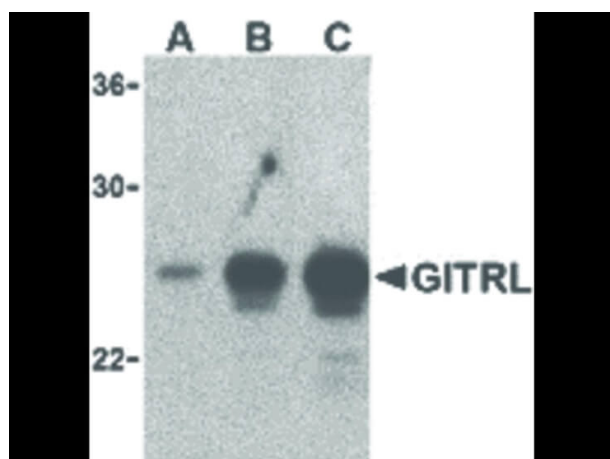
Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



Immunohistochemistry

Immunocytochemistry of GITRL antibody. Cell Type: THP-1 cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: GITRL antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: GITRL is located in the cell membrane.

Staining: GITRL is stained brown with hematoxylin purple nuclear counterstain.



Western Blot

Western Blot of GITRL antibody. Lane A: 5 ng of purified recombinant GITRL antibody with ITRL. Lane B: 25 ng of purified recombinant GITRL antibody with ITRL. Lane C: 50 ng of purified recombinant GITRL antibody with ITRL. Load: 35 µg per lane. Primary antibody: GITRL antibody at 1 µg/mL for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 23 kDa, 28 kDa for GITRL. Other band(s): GITRL splice variants and isoforms.

Disclaimer

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