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GITR / TNFSF18 Monoclonal Antibody

Mouse Monoclonal Antibody
Catalog # ABV11780

Product Information

Application	WB
Primary Accession	Q9UNG2
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2a Kappa
Calculated MW	20308

Additional Information

Gene ID	8995
Positive Control	WB
Application & Usage	WB: 1:500-1:1000
Alias Symbol	TNFRSF18
Other Names	Tumor necrosis factor ligand superfamily member 18, Activation-inducible TNF-related ligand, AITRL, Glucocorticoid-induced TNF-related ligand, hGITRL, TNFSF18, AITRL, GITRL, TL7
Appearance	Colorless liquid
Formulation	Phosphate buffered saline, pH 7.2 .
Reconstitution & Storage	-20 °C
Background Descriptions	
Precautions	GITR / TNFSF18 Monoclonal Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TNFSF18 (HGNC:11932)
Synonyms	AITRL, GITRL, TL6
Function	Cytokine that binds to TNFRSF18/AITR/GITR. Regulates T-cell responses. Can function as costimulator and lower the threshold for T- cell activation and T-cell proliferation. Important for interactions between activated T-lymphocytes and endothelial cells. Mediates activation of NF-kappa-B. Triggers increased phosphorylation of STAT1 and up-regulates expression of VCAM1 and ICAM1 (PubMed:23892569). Promotes leukocyte adhesion to

	endothelial cells (PubMed:23892569). Regulates migration of monocytes from the splenic reservoir to sites of inflammation (By similarity).
Cellular Location	Cell membrane; Single-pass type II membrane protein
Tissue Location	Expressed at high levels in the small intestine, ovary, testis, kidney and endothelial cells

Background

The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptor TNFRSF18/AITR/GITR. It has been shown to modulate T lymphocyte survival in peripheral tissues. This cytokine is also found to be expressed in endothelial cells, and is thought to be important for interaction between T lymphocytes and endothelial cells.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.