

# GITR / TNFSF18 Monoclonal Antibody

Mouse Monoclonal Antibody

Catalog # ABV11780

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q9UNG2</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	Mouse IgG2a Kappa
<b>Calculated MW</b>	20308

## Additional Information

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

## Protein Information

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<b>Name</b>	TNFSF18 ( <a href="#">HGNC:11932</a> )
<b>Synonyms</b>	AITRL, GITRL, TL6
<b>Function</b>	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: <a href="#">23892569</a> ). 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**

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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'.