



# Anti-TNFSF18 monoclonal antibody, clone 448233 (DCABY-4053)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	GITR Ligand (GITRL) is a member of the TNF superfamily and has been designated TNFSF18. The carboxy-terminal extracellular domain shows sequence similarity to TNF-alpha/TNFSF1A, Fas Ligand/TNFSF6, TRAIL/TNFSF10, and TNF-beta/TNFSF1B. GITRL is constitutively expressed in human umbilical vein endothelial cells but is not expressed in resting or stimulated T cell lines, B cell lines or peripheral blood mononuclear cells.
<b>Specificity</b>	Detects mouse GITR Ligand/TNFSF18 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human GITR Ligand, recombinant mouse (rm) CD40, or rmTNF-alpha is observed.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse GITR Ligand/TNFSF18. Thr47-Ser173 Accession Number Q80YG2
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	448233
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA Capture (Matched Pair), Neutralization
<b>Format</b>	Liquid
<b>Size</b>	500 µg

<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Tnfsf18 tumor necrosis factor (ligand) superfamily, member 18 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	TNFSF18
<b>Synonyms</b>	TNFSF18; tumor necrosis factor (ligand) superfamily, member 18; Gitrl; tumor necrosis factor ligand superfamily member 18; GITR ligand; glucocorticoid-induced TNF-related ligand; glucocorticoid-induced-tumor necrosis factor receptor ligand;
<b>Entrez Gene ID</b>	<a href="#">240873</a>
<b>Protein Refseq</b>	<a href="#">NP_899247</a>
<b>UniProt ID</b>	<a href="#">Q7TS55</a>
<b>Chromosome Location</b>	1 H2.1; 1 69.75 cM
<b>Pathway</b>	Cytokine-cytokine receptor interaction;
<b>Function</b>	cytokine activity; protein binding; tumor necrosis factor receptor binding; tumor necrosis factor receptor superfamily binding;