

Product datasheet for **SM2258PS**

TNFSF18 / AITRL Rat Monoclonal Antibody [Clone ID: YGL386]

Product data:

Product Type:	Primary Antibodies
Clone Name:	YGL386
Applications:	FC
Recommended Dilution:	Flow Cytometry: 1/25 - 1/50; use 10 µl of the suggested working dilution to label 10 ⁶ cells in 100 µl.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant mouse GITRL. Spleen cells from immunised DA rats were fused with cells of the Y3/Ag1.2.3 myeloma cell line.
Specificity:	This antibody recognises glucocorticoid-induced tumour necrosis factor receptor ligand (GITRL).
Formulation:	PBS, pH7.4 containing 0.09% Sodium Azide State: Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	tumor necrosis factor (ligand) superfamily, member 18
Database Link:	Entrez Gene 240873 Mouse Q7TS55



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Background:

GITRL is a 20 kD member of the tumour necrosis factor ligand superfamily, otherwise known as TNFSF18. Mouse GITRL is predominantly expressed on immature and mature dendritic cells, macrophages and B cells. Expression of mouse GITRL can be transiently up regulated on these cells, following lipopolysaccharide (LPS) stimulation, but protein expression is rapidly down modulated shortly after stimulation. Studies demonstrate that GITRL can neutralise the suppressive effects of CD4+CD25+ regulatory T cells and can also provide a co-stimulatory signal for both naive and primed T cells, suggesting a key role for GITRL in the regulation of T cell-mediated immunity.

Synonyms:

GITRL, TL6, AITRL, hGITRL