

TIGIT antibody [1G9] (PE)

Cat. No. GTX01496-08

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	FCM
Reactivity	Mouse

References (2)

Package

100 µg

PRODUCT

Summary

The 1G9 antibody reacts with mouse TIGIT (T cell Ig and ITIM domain), a 26 kDa member of the CD28 receptor family which is reported to regulate T cell receptor (TCR) activation. Within the CD28 family of receptors there are those which have co-stimulatory activity, such as CD28 and CTLA-4, as well as more recently identified receptors like TIGIT which are proposed to provide co-inhibitory signals. TIGIT is expressed and upregulated on activated T cells, and is also expressed on memory and regulatory T cells. Upon engagement by its ligands, CD112 and CD155, TIGIT signaling inhibits T cell proliferation and suppresses T cell responses, without triggering cell deletion. A second inhibitory effect of TIGIT signaling is the generation of immunoregulatory dendritic cells, which secrete IL-10 and TGF-beta to further inhibit T cell function. The 1G9 antibody may be used for flow cytometric analysis of TIGIT, which is expressed at very high levels on T regulatory cells (Tregs) and activated conventional T cells, as well as memory T cells and NK cells.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution

FCM

Recommended dilution

Assay dependent

Not tested in other applications.

Properties

Form Liquid

Buffer 10mM NaH₂PO₄, 150mM NaCl, 0.1% Gelatin

Preservative 0.09% Sodium azide

Storage Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.

Concentration 0.2 mg/ml (Please refer to the vial label for the specific concentration.)

Purification Purified by affinity chromatography
From tissue culture supernatant

Conjugation Phycoerythrin (PE) [Wavelength](#)



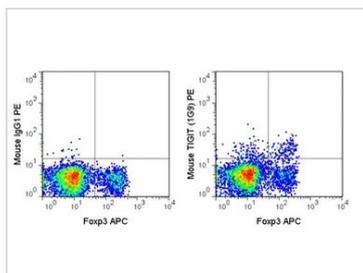
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Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES

**GTX01496-08 FCM Image**

FACS analysis of mouse C57Bl/6 splenocytes using GTX01496-08 TIGIT antibody [1G9] (PE).

Right panel : co-stained with TIGIT antibody [1G9] (PE) and Mouse CD4 antibody (FITC)

Left panel : co-stained with isotype control and Mouse CD4 antibody (FITC)

antibody amount : 0.25 μ g (5 μ l)



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