



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## TIGIT antibody [1G9] (APC)

Cat No. GTX01496-07

|                    |            |
|--------------------|------------|
| <b>Host</b>        | Mouse      |
| <b>Clonality</b>   | Monoclonal |
| <b>Isotype</b>     | IgG1       |
| <b>Application</b> | FACS       |
| <b>Reactivity</b>  | Mouse      |

Reference ( 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.

## APPLICATION

## Application Note

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

| Suggested dilution | Dilution        |
|--------------------|-----------------|
| FACS               | Assay dependent |

Not tested in other applications.

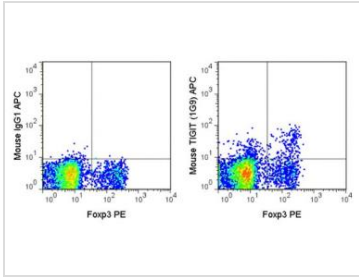
## PROPERTIES

|                      |  |
|----------------------|--|
| <b>Form</b>          | Liquid   |
| <b>Buffer</b>        | 10 mM NaH <sub>2</sub> PO <sub>4</sub> (pH 7.2), 150 mM NaCl, 0.09% sodium azide, 0.1% gelatin   |
| <b>Storage</b>       | Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.               |
| <b>Concentration</b> | 0.2 mg/ml (Please refer to the vial label for the specific concentration.)   |
| <b>Purification</b>  | Purified by affinity chromatography<br>From tissue culture supernatant   |
| <b>Conjugation</b>   | Allophycocyanin (APC)  |
| <b>Note</b>          | For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. |



For full product information, images and publications, please visit our [website](#).

## DATA IMAGES

**GTX01496-07 FACS Image**

FACS analysis of mouse C57Bl/6 splenocytes using GTX01496-07 TIGIT antibody [1G9] (APC).

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

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

antibody amount : 0.06 µg (5 µl)



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