



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Anti-Gamma Delta TCR [B1.1] Standard Size Ab03991-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** B1.1

**Alternative Name(s) of Target:** TCR  $\gamma\delta$ ;  $\gamma\delta$  TCR; TCR GD; GD TCR; TCRg/d; T-cell surface glycoprotein CD3 delta chain; CD3D; T3D; T-cell receptor T3 delta chain; T-cell surface glycoprotein CD3 gamma chain; CD3G; T-cell receptor T3 gamma chain; CD3g; T3G; B1

**UniProt Accession Number of Target Protein:** P04234; P09693

**Published Application(s):** functional assay, Block, FC, IF, IHC

**Published Species Reactivity:** Human, Rhesus Monkey, Cynomolgus Monkey

**Immunogen:** Antigen-specific T cell blasts to poly-18, a polypeptide antigen of defined sequence and conformation, were generated from lymph nodes of antigen primed BALB/cCr mice. These blasts were fused with the BW5147 thymoma to obtain anti-poly-18-reactive T cell hybridomas from which the original antibody was generated.

**Specificity:** This antibody is specific for the human TCR delta and gamma chains. The T-cell receptor (TCR) is a molecule found on the surface of T cells, or T lymphocytes, that is responsible for recognizing fragments of antigen as peptides bound to major histocompatibility complex (MHC) molecules. On activation through antigen presenting cells (APCs), TCR-mediated signals are transmitted across the cell membrane by the CD3 chains CD3D, CD3E, CD3G and CD3Z. TCR part of the TCR-CD3 complex present on T-lymphocyte cell surface that plays an essential role in adaptive immune response.

**Application Notes:** This antibody can be used for the flow cytometric analysis of human peripheral blood cells (PMID: 12121897; 23447017; 25777993; 28223321). This antibody was used to block human  $\gamma\delta$  T cell receptor and prevent the human anti-porcine  $\gamma\delta$  T cell response (PMID: 11502983). This antibody was also used to block the  $\gamma\delta$  T cell receptors in in-vitro tumor-killing assays (PMID: 21633088). This antibody was used for the immunohistochemical analysis of frozen tissue samples of parapsoriasis, mycosis fungoides and inflammatory dermatoses (PMID: 21479436). This antibody was also used for the immunohistochemical and indirect immunofluorescence staining of  $\gamma\delta$  T cells in breast cancer and normal tissues (PMID:

23959855).

**Antibody First Published in:** Fotedar et al. Fine specificity of antigen recognition by T cell hybridoma clones specific for poly-18: a synthetic polypeptide antigen of defined sequence and conformation. J Immunol. 1985 Nov;135(5):3028-33. [PMID:2413110](https://pubmed.ncbi.nlm.nih.gov/2413110/)

**Note on publication:** Describes the epitope characterization of T cell hybridomas specific for Poly-18.

## Product Form

**Size:** 100 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.