



# 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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## Anti-Gamma Delta TCR [G5-4] Bulk Size Ab03990-23.0-BT

**Isotype and Format:** Rabbit IgG, Kappa

**Clone Number:** G5-4

**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

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

**Published Application(s):** functional assay, FC

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated by immunizing BALB/c mice with recombinant  $\gamma\delta$ 2 (OT3)-Fc fusion protein as an immunogen.

**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:** The binding of this antibody to  $\gamma\delta$  T cells was determined using flow cytometry. This antibody can compete with commercially available anti- $\gamma\delta$  TCR antibody IMMU510 for binding to gamma-delta T cells. It is proposed that, since there is some competition between the two antibodies, G5-4 binds a similar or identical epitope to IMMU510. In an in vitro proliferation assay, this antibody was reported to positively stimulate the proliferation of  $\gamma\delta$ T cells. The scFv version of this antibody was also reported to stimulate the secretion of cytokines like IFN- $\gamma$  and TGF- $\alpha$ . G5-4ScFv-amplified  $\gamma\delta$ T cells can effectively kill daudi cells, and the killing efficiency is greater than 85% when the effect-to-target ratio is 5:1 (CN103130894).

**Antibody First Published in:** [PMID:](#)

**Note on publication:**

### Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:**

PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.