



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-gamma-delta TCR [UC7-13D5] Bulk Size Ab02557-2.0-BT

This chimeric mouse antibody was made using the variable domain sequences of the original Hamster IgG format for improved compatibility with existing reagents assays and techniques.

**Isotype and Format:** Mouse IgG2a, Kappa

**Clone Number:** UC7-13D5

**Alternative Name(s) of Target:** T-cell surface glycoprotein CD3 delta chain; T-cell receptor T3 delta chain; CD3d; T-cell surface glycoprotein CD3 gamma chain; T-cell receptor T3 gamma chain; CD3g

**UniProt Accession Number of Target Protein:** P11942

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

**Published Species Reactivity:** Mouse

**Immunogen:** This antibody was generated by immunizing a armenian hamster with murine murine gamma-delta TCR.

**Specificity:** This antibody is specific for mouse gamma and delta TCR. TCR part of the TCR-CD3 complex present on T-lymphocyte cell surface that plays an essential role in adaptive immune response. When antigen presenting cells (APCs) activate T-cell receptor (TCR), TCR-mediated signals are transmitted across the cell membrane by the CD3 chains CD3D, CD3E, CD3G and CD3Z.

**Application Notes:** Alloreactive CD3'CD4- CD8- TCR  $\gamma/6+$  Tcell lines were used for a cytolytic assay. During the assay this antibody was used (Rellahan et al, 1991; pmid:1703211). Flow cytometry was preformed on the spleen cells of mice using this antibody (Koenecke et al, 2009; pmid:19130484). Flow cytometry was preformed on lymphoid cells of arthritic mice using this antibody (Peterman et al, 1993; pmid:8245484). A proliferation assay was preformed on inguinal lymph nodes from arthritic mice. The mice were treated with this antibody (Peterman et al, 1993; pmid:8245484).

**Antibody First Published in:** Rellahan et al. Junctional Sequences Influence the Specificity of  $\gamma/b$  T Cell Receptors J Exp Med. 1991 Feb 1;173(2):503-6. [PMID:1703211](#)

**Note on publication:** To examine the role of V(D)J junctional sequences in antigen recognition by TCR-gamma/delta, an alloreactive murine TCR-gamma/delta+ T cell line, LKD1, specific for the I-Ad class II major histocompatibility complex (MHC) molecule, and compared its receptor with that expressed by a previously characterized class II MHC alloreactive T cell line, LBK5, specific for I-Ek,b,s Ia molecules was derived.

## 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.