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- Trockeneiszuschlag
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- Expressversand

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Anti-gamma-delta TCR [UC7-13D5] Standard Size Ab02557-2.3

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

This 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, [Fc Silent™](#), 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 y/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 -y/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: 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.