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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Gamma Delta TCR [B1.1] Bulk Size Ab03991-10.3-BT

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: 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.