

TCR gamma/delta Monoclonal Antibody (UC7-13D5), Biotin, eBioscience™

Product Details

Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	UC7-13D5
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466684

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	4 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

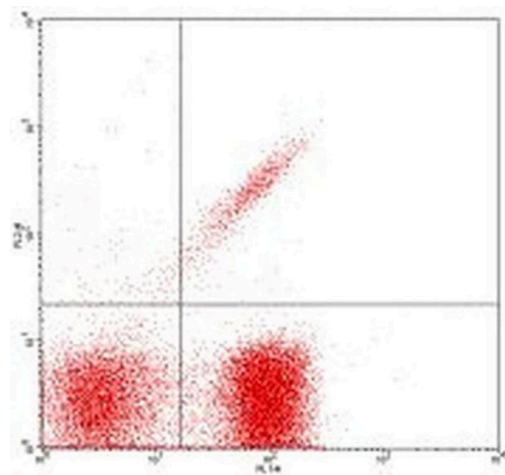
Product Specific Information

Description: The UC7-13D5 monoclonal antibody reacts with the mouse gammadelta TCR complex. gammadelta TCR is expressed by a small subset of T cells in the thymus, peripheral lymphoid tissues, intestinal epithelium, and epidermis. The exact specificity, ligand and function of gammadelta TCR-bearing T cells are not yet fully understood; it is suggested that these cells recognize bacterial ligands and some tumor cells in the context of MHC class I-like gene products and play a role in regulation of the immune response and during bacterial infection.

Applications Reported: UC7-13D5 has been reported for use as a phenotypic marker for gamma delta TCR-expressing T cells in flow cytometric analysis.

Applications Tested: The UC7-13D5 antibody has been tested by flow cytometric analysis of mouse thymocytes and splenocytes and can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.



TCR gamma/delta Antibody (13-5811-82) in Flow
C57BL/6 lymph node cells were stained with Anti-Mouse CD3 FITC (Product # 11-0031-82) and Anti-Mouse gamma/delta TCR Biotin followed by Streptavidin PE (Product # 12-4317-87). Cells in the lymphocyte gate were used for analysis.

5 References

Flow Cytometry (4)

<p>STAR protocols</p> <p>Use of Busulfan to Condition Mice for Bone Marrow Transplantation.</p> <p>"13-5811 was used in Flow cytometry/Cell sorting to describe a protocol for the use of busulfan to condition mice for bone marrow transplantation and several of the variables to consider for effective implementation."</p> <p>Authors: Montecino-Rodriguez E,Dorshkind K</p>	<p>Year 2020</p> <p>Species Mouse</p>
<p>eLife</p> <p>Critical role of WNK1 in MYC-dependent early mouse thymocyte development.</p> <p>"13-5811 was used in Flow cytometry/Cell sorting to ind that WNK1 is required for the transition of double negative (DN) thymocytes through the -selection checkpoint and subsequent proliferation and differentiation into double positive (DP) thymocytes."</p> <p>Authors: Köchl R,Vanes L,Llorian Sopena M,Chakravarty P,Hartweger H,Fountain K,White A,Cowan J,Anderson G, Tybulewicz VL</p>	<p>Year 2020</p> <p>Species Mouse</p> <p>Dilution 1:200</p>

[View more Flow references on thermofisher.com](#)

Miscellaneous PubMed (1)

<p>eLife</p> <p>Histone deacetylase 3 represses cholesterol efflux during CD4⁺ T-cell activation.</p> <p>"Published figure using TCR gamma/delta monoclonal antibody (Product # 13-5811-82) in Protein Assays and Analysis"</p> <p>Authors: Wilfahrt D,Philips RL,Lama J,Kizerwetter M,Shapiro MJ,McCue SA,Kennedy MM,Rajcula MJ,Zeng H,Shapiro VS</p>	<p>Year 2021</p>
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More applications with references on thermofisher.com

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