

Datasheet for 200-B08-N92**TCRbeta Phycoerythrin Antibody****Overview**

Description:	Anti-TCRbeta (Armenian Hamster) Phycoerythrin Conjugated Monoclonal Antibody - 200-B08-N92
Item No.:	200-B08-N92
Size:	200 µg
Applications:	FC
Reactivity:	Mouse
Host Species:	Hamster Armenian

Product Details

Background:	T cell receptor (TCR) is a heterodimer consisting of an α and a β chain (TCR α/β) or a γ and a δ chain (TCR γ/δ). TCR- β is a member of the immunoglobulin superfamily and a component of the CD3/TCR complex (along with TCR- α). It is expressed on α/β TCR-bearing T cells and thymocytes. The CD3/TCR complex plays a key role in antigen recognition, signal transduction, and T cell activation.
Synonyms:	Tib, TCRbeta, T cell receptor beta chain, Tcrb
Host Species:	Hamster Armenian
Conjugate:	R-Phycoerythrin (RPE)
Clonality:	Monoclonal
Clone ID:	H57-597
Format:	IgG
F/P Ratio:	1-2

Target Details

Gene Name:	Tcrb
Reactivity:	Mouse
Immunogen Type:	Other

Immunogen:	Anti-TCRbeta Antibody (Monoclonal) was produced by repeated immunizations with Affinity purified TCR from mouse DO-11.10 cells.
Purity/Specificity:	Phycoerythrin conjugated TCRbeta Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against mouse TCRbeta. Cross reactivity with TCRbeta from other sources has not been tested. Anti-TCRbeta is conjugated with PE under optimal conditions and the solution is free of unconjugated PE.
Relevant Links:	<ul style="list-style-type: none">• GeneID - 21577

Application Details

Tested Applications:	FC
Application Note:	Anti-TCR beta is tested for FLOW and useful for Immunoprecipitation and Immunohistochemistry using mouse spleen cells, or an appropriate cell type (where indicated). Researchers should determine optimal titers for applications that are not stated.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
FC:	10 μ L/10 ⁶ cells (0.1 μ g)
IHC:	User Optimized
IP:	User Optimized

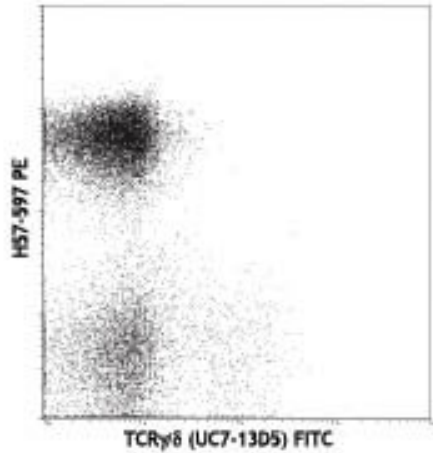
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.2mg/mL Sufficient to run approximately 100 tests
Buffer:	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.09% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C prior to opening. Dilute only prior to immediate use. This product is stable at 4° C as an undiluted liquid. Use subdued lighting during handling and incubation of cells prior to analysis. Store reagent in the dark. DO NOT FREEZE.
Expiration:	Expiration date is six (6) months from date of receipt.

Images



Flow Cytometry

Flow Cytometry of anti-TCRbeta Phycoerythrin Conjugated Monoclonal Antibody. Cells: C57BL/6 CD3+ splenocytes. Stimulation: none. Antibody: TCRγ/δ FITC and Phycoerythrin Anti-CD154 antibody.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.