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Datasheet for 200-B08-N92

# TCRbeta Phycoerythrin Antibody

## Overview

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|---|---|
| **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

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| **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

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| **Gene Name:** | Tcrb |
| **Reactivity:** | Mouse |
| **Immunogen Type:** | Other |

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| **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:** | • GeneID - 21577 |

## Application Details

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| **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 µL/10^6 cells (0.1 µg) |
| **IHC:** | User Optimized |
| **IP:** | User Optimized |

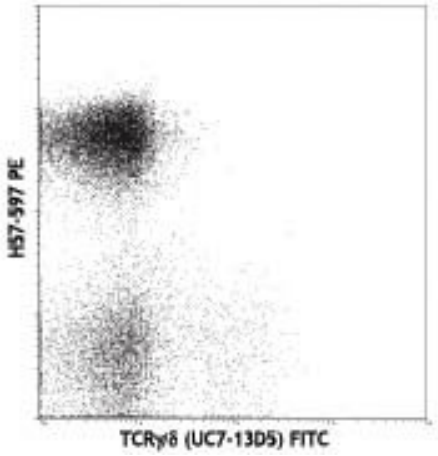
## Formulation

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| **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

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| **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

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