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Datasheet for 200-508-N82

CD25 Phycoerythrin Antibody

Overview

Description:	Anti-CD25 (RAT) Phycoerythrin Conjugated Monoclonal Antibody - 200-508-N82
Item No.:	200-508-N82
Size:	100 µg
Applications:	FC
Reactivity:	Mouse
Host Species:	Rat

Product Details

Background:	CD25 is a 55 kD glycoprotein, also known as the low affinity IL-2Rα, Ly-43, p55, or Tac. It is expressed on activated T and B cells, thymocyte subset, pre-B cells, and T regulatory cells. In association with CD122 (IL-2Rβ) and CD132(common γ chain), CD25 forms the high affinity signaling IL-2 receptor.
Synonyms:	Interleukin-2 receptor subunit alpha, IL-2 receptor subunit alpha, IL-2-RA, IL-2R subunit alpha, IL2-RA, p55, CD25, Il2ra, Il2r
Host Species:	Rat
Conjugate:	R-Phycoerythrin (RPE)
Clonality:	Monoclonal
Clone ID:	3C7
Format:	IgG2b
F/P Ratio:	1-2

Target Details

Gene Name:	Il2r
Reactivity:	Mouse
Immunogen Type:	Other

Immunogen:	Anti-CD25 Antibody (Monoclonal) was produced by repeated immunizations with IL-2-dependent BALB/c mouse helper T-cell clone HT-2.
Purity/Specificity:	Phycoerythrin conjugated CD25 Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against mouse CD25. Cross-reactivity with CD25 from other sources has not been tested. Anti-CD25 is conjugated with PE under optimal conditions and the solution is free of unconjugated PE.
Relevant Links:	• UniProtKB - P01590 • NCBI - NP_032393.3 • GeneID - 16184

Application Details

Tested Applications:	FC
Application Note:	Anti-CD25 is tested for Flow Cytometry 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)
IP:	User Optimized

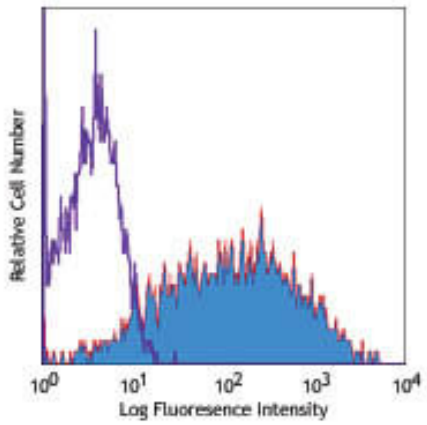
Formulation

Physical State:	Liquid (sterile filtered)
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-CD25 Phycoerythrin Conjugated Monoclonal Antibody. Cells: BALB/c splenocytes. Stimulation: ConA-stimulated (Day 3). Antibody: (Blue Line) PE Rat IgG2b isotype control; (Filled Line) Phycoerythrin Anti-CD25 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.