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Datasheet for 200-526-N82

CD25 Allophycocyanin Antibody

Overview

Description:	Anti-CD25 (RAT) Allophycocyanin Conjugated Monoclonal Antibody - 200-526-N82
Item No.:	200-526-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:	Allophycocyanine (APC)
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:	Allophycocyanin 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 APC under optimal conditions and the solution is free of unconjugated APC.
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

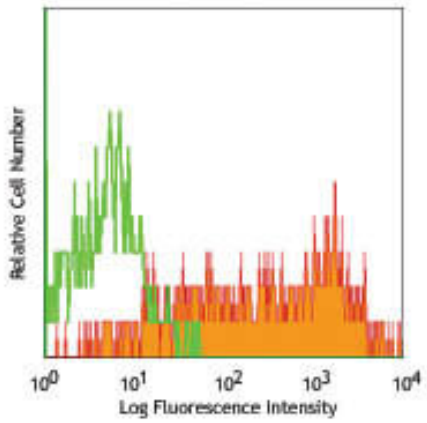
Physical State:	Liquid (sterile filtered)
Concentration:	0.2 mg/mL Sufficient to run approximately 100 tests
Buffer:	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.09% (w/v) Sodium Azide
Stabilizer:	None

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-CD25 Allophycocyanin Conjugated Monoclonal Antibody. Cells: BALB/c splenocytes. Stimulation: ConA-stimulated (Day 3). Antibody: (Green Line) APC Mouse IgG2b isotype control; (Filled Line) Allophycocyanin Anti-CD25 antibody.

Disclaimer

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