

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-2R α , 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-2R β) 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:	<ul style="list-style-type: none">• 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 μ L/10 ⁶ cells (0.1 μ g)
IP:	User Optimized

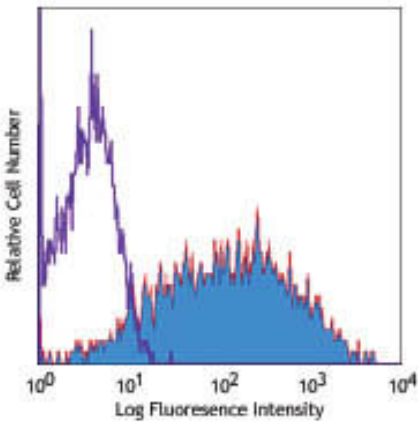
Formulation

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

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