

Datasheet for 200-508-N80**CD16/32 Phycoerythrin Antibody****Overview**

Description:	Anti-CD16/32 (RAT) Phycoerythrin Conjugated Monoclonal Antibody - 200-508-N80
Item No.:	200-508-N80
Size:	200 µg
Applications:	FC
Reactivity:	Mouse
Host Species:	Rat

Product Details

Background:	CD16 is the low affinity IgG Fc receptor III (FcR III) and CD32 is FcR II. CD16/CD32 are expressed on B cells, monocytes/macrophages, NK cells, granulocytes, mast cells, and dendritic cells. The Fc receptors bind antibody-antigen immune complexes and mediate adaptive immune responses.
Synonyms:	Low affinity immunoglobulin gamma Fc region receptor III, IgG Fc receptor III, Fc-gamma RIII, FcRIII, CD16, Fcgr3
Host Species:	Rat
Conjugate:	R-Phycoerythrin (RPE)
Clonality:	Monoclonal
Clone ID:	93
Format:	IgG2a
F/P Ratio:	1-2

Target Details

Gene Name:	Fcgr3
Reactivity:	Mouse
Immunogen Type:	Other

Immunogen:	Anti-CD16/32 Antibody (Monoclonal) was produced by repeated immunizations with sorted pre-B cells.
Purity/Specificity:	Phycoerythrin conjugated CD16/32 Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against mouse CD16/32. Cross-reactivity with CD16/32 from other sources has not been tested. Anti-CD16/32 is conjugated with PE under optimal conditions and the solution is free of unconjugated PE.
Relevant Links:	• UniProtKB - P08508

Application Details

Tested Applications:	FC
Application Note:	Anti-CD16/32 is tested for FLOW and useful for Immunoprecipitation 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

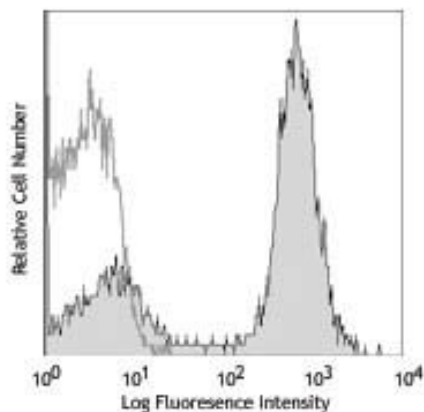
Formulation

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-CD16/32 Phycoerythrin Conjugated Monoclonal Antibody. Cells: C57BL/6 mouse splenocytes. Stimulation: none. Antibody: (dotted) PE Rat IgG2a isotype control; (Filled Line) Phycoerythrin Anti-CD16/32 antibody.

Disclaimer

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