

Datasheet for 200-308-N86

CD45.2 Phycoerythrin Antibody**Overview**

Description:	Anti-CD45.2 (MOUSE) Phycoerythrin Conjugated Monoclonal Antibody - 200-308-N86
Item No.:	200-308-N86
Size:	200 µg
Applications:	FC
Reactivity:	Mouse
Host Species:	Mouse

Product Details

Background:	CD45.2 is an alloantigen of CD45, expressed by Ly5.2 bearing mouse strains (e.g., A, AKR, BALB/c, CBA/Ca, CBA/J, C3H/He, C57BL, C57BR, C57L, C58, DBA/1, DBA/2, NZB, SWR, 129). CD45, a member of the protein tyrosine phosphatase (PTP) family, is a 180-240 kD glycoprotein expressed on all hematopoietic cells except mature erythrocytes and platelets. There are multiple isoforms in the mouse that play key roles in TCR and BCR signal transduction. These isoforms are very specific to the activation and maturation states of the cell as well as specific cell type. The primary ligands for CD45 are galectin-1, CD2, CD3, CD4, TCR, CD22, and Thy-1.
Synonyms:	Receptor-type tyrosine-protein phosphatase C, Leukocyte common antigen, L-CA, Lymphocyte antigen 5, Ly-5, T200, CD45, Ptprc, Ly-5
Host Species:	Mouse
Conjugate:	R-Phycoerythrin (RPE)
Clonality:	Monoclonal
Clone ID:	104
Format:	IgG2a
F/P Ratio:	1-2

Target Details

Gene Name:	Ptprc
Reactivity:	Mouse

Immunogen Type:	Other
Immunogen:	Anti-CD45.2 Antibody (Monoclonal) was produced by repeated immunizations with B10.S mouse thymocytes and splenocytes .
Purity/Specificity:	Phycoerythrin conjugated CD45.2 Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against mouse CD45.2. Cross reactivity with CD45.2 from other sources has not been tested. Anti-CD45.2 is conjugated with PE under optimal conditions and the solution is free of unconjugated PE.
Relevant Links:	• UniProtKB - P06800

Application Details

Tested Applications:	FC
Application Note:	Anti-CD45.2 is tested in Flow Cytometry and useful for Immunohistochemistry and 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)
IHC:	User Optimized
IP:	User Optimized

Formulation

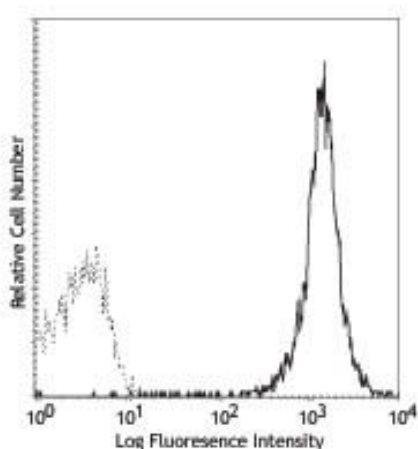
Physical State:	Liquid (sterile filtered)
Concentration:	0.2mg/mL Sufficient to run approximately 100 tests
Buffer:	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.09% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

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-CD45.2 Phycoerythrin Conjugated Monoclonal Antibody. Cells: BALB/c and SJL (Dotted Line) splenocytes. Stimulation: none. Antibody: (Solid Line) Phycoerythrin Anti-CD45.2 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.