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Datasheet for 200-302-N86

CD45.2 Fluorescein Antibody

Overview

Description:	Anti-CD45.2 (MOUSE) Fluorescein Conjugated Monoclonal Antibody - 200-302-N86
Item No.:	200-302-N86
Size:	500 µg
Applications:	FC
Reactivity:	Mouse
Host Species:	Mouse

Product Details

Background:	Anti-CD45.2 antibody reacts with mouse CD45.2, also known as Ly5.2, which is a strain-specific allelic form of the CD45 Leukocyte Common Antigen (LCA). Functionally, CD45 is a protein tyrosine phosphatase whose broad cell distribution supports a critical role in many leukocyte functions, including regulation of signal transduction and cell activation associated with the T cell and B cell receptors. The 104 antibody is typically used as a leukocyte marker in Ly5.2 mouse strains C57BL/6, BALB/c, C58, DBA/1, DBA/2, C3H/He, CBA, 129, A and AKR. The antibody has been demonstrated to specific for CD45.2 and is not cross-reactive with CD45.1-bearing cells.
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:	Fluorescein (FITC)
Clonality:	Monoclonal
Clone ID:	104
Format:	IgG2a
F/P Ratio:	2-8

Target Details

Gene Name:	Ptprc
Reactivity:	Mouse

Immunogen:	Anti-CD45.2 Antibody (Monoclonal) was produced by repeated immunizations with CD45.2 antigen.
Purity/Specificity:	Fluorescein 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 FITC under optimal conditions and the solution is free of unconjugated FITC.
Relevant Links:	• UniProtKB - P06800

Application Details

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

Formulation

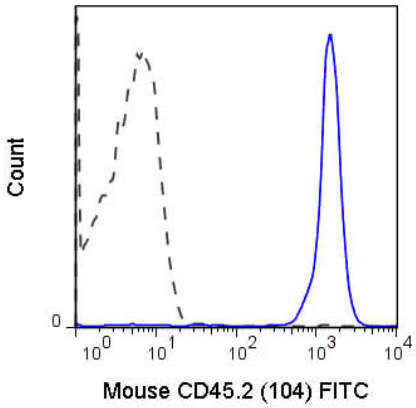
Physical State:	Liquid (sterile filtered)
Concentration:	0.5mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.09% (w/v) Sodium Azide
Stabilizer:	0.1% Gelatin

Shipping & Handling

Shipping Condition:	Wet Ice

Storage Condition:	Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. DO NOT FREEZE. This product is light sensitive.
Expiration:	Expiration date is six (6) months from date of receipt.

Images



Flow Cytometry
Flow Cytometry of anti-CD45.2 Fluorescein Conjugated Monoclonal Antibody. Cells: C57Bl/6 splenocytes. Stimulation: none. Antibody: (Dotted Line) FITC Mouse IgG2a isotype control; (Solid Blue Line) Fluorescein Anti-CD45.2 antibody using 0.25 ug.

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.