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Datasheet for 200-302-N65

CD27 Fluorescein Antibody

Overview

Description:	Anti-CD27 (MOUSE) Fluorescein Conjugated Monoclonal Antibody - 200-302-N65
Item No.:	200-302-N65
Size:	500 µL
Applications:	FC
Reactivity:	Human
Host Species:	Mouse

Product Details

Background:	CD27 is a 50-55 kD type I membrane protein also known as S152 and T14. It is a lymphocyte-specific member of the TNF-receptor superfamily. CD27 is expressed on medullary thymocytes, virtually all mature T cells, some B cells, and NK cells. CD27 binds to CD70 and plays an important role in costimulation of T cell activation, and regulation of B cell differentiation and proliferation. The cytoplasmic domains of CD27 have also been shown to interact with TRAF2 and TRAF5 to elicit NF-kB and SAPK/JNK activation.
Synonyms:	CD27 antigen, CD27L receptor, T-cell activation antigen CD27, T14, Tumor necrosis factor receptor superfamily member 7, CD27, TNFRSF7
Host Species:	Mouse
Conjugate:	Fluorescein (FITC)
Clonality:	Monoclonal
Clone ID:	O323
Format:	IgG1
F/P Ratio:	4-6

Target Details

Gene Name:	CD27
Reactivity:	Human

Immunogen:	Anti-CD27 Antibody (Monoclonal) was produced by repeated immunizations with CD27 antigen.
Purity/Specificity:	Fluorescein conjugated CD27 Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against human CD27. Reactivity is observed against human CD27, Baboon, Cynomolgus, Rhesus, and Squirrel Monkey. Cross reactivity with CD27 from other sources has not been tested. Anti-CD27 is conjugated with FITC under optimal conditions and the solution is free of unconjugated FITC.
Relevant Links:	• UniProtKB - P26842 • NCBI - NP_001233.1 • GeneID - 939

Application Details

Tested Applications:	FC
Application Note:	Anti-CD27 is tested for Flow Cytometry. 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:	5 ul/1x10e6 cells or 100µL of whole blood

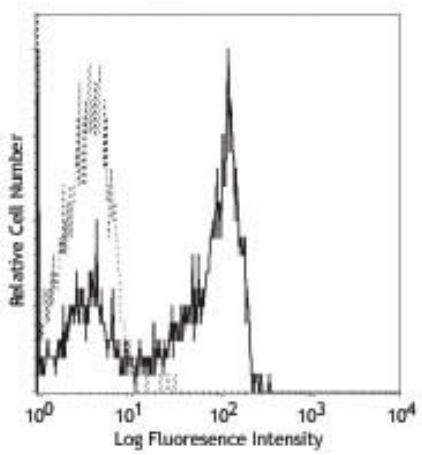
Formulation

Physical State:	Liquid (sterile filtered)
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.09% (w/v) Sodium Azide
Stabilizer:	0.2% BSA (w/v)

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 Mouse anti-CD27 Fluorescein Conjugated Monoclonal Antibody. Cells: human peripheral blood lymphocytes. Stimulation: none. Antibody: (Dotted Line) FITC Mouse IgG1 kappa isotype control; (Solid Line) Fluorescein Anti-CD27 mouse antibody using 5 ul.

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.