

Datasheet for 200-302-N12**CD3 Fluorescein Antibody****Overview**

Description:	Anti-CD3 (MOUSE) Fluorescein Conjugated Monoclonal Antibody - 200-302-N12
Item No.:	200-302-N12
Size:	500 µL
Applications:	FC
Reactivity:	Human
Host Species:	Mouse

Product Details

Background:	CD3 epsilon is a 20 kD chain of the CD3/T-cell receptor (TCR) complex which is composed of two CD3e, one CD3 gamma, one CD3 delta, one CD3 zeta (CD247), and a T-cell receptor (alpha/beta or gamma/delta) heterodimer. It is found on all mature T lymphocytes, NK-T cells, and some thymocytes. CD3, also known as T3, is a member of the immunoglobulin superfamily that plays a role in antigen recognition, signal transduction, and T cell activation.
Synonyms:	T-cell surface glycoprotein CD3 epsilon chain, T-cell surface antigen T3/Leu-4 epsilon chain, CD3e
Host Species:	Mouse
Conjugate:	Fluorescein (FITC)
Clonality:	Monoclonal
Clone ID:	HIT3a
Format:	IgG2a
F/P Ratio:	4-6

Target Details

Gene Name:	CD3E
Reactivity:	Human
Immunogen:	Anti-CD3 Antibody (Monoclonal) was produced by repeated immunizations with CD3 antigen.

Purity/Specificity: Fluorescein conjugated CD3 Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against human CD3. Reactivity is observed against human CD3. Cross reactivity with CD3 from other sources has not been tested. Anti-CD3 is conjugated with FITC under optimal conditions and the solution is free of unconjugated FITC.

Relevant Links:

- [UniProtKB - P07766](#)
- [NCBI - NP_000724.1](#)
- [GeneID - 916](#)

Application Details

Tested Applications:	FC
Application Note:	Anti-CD3 has been tested in Flow Cytometry and is useful for Immunoprecipitation, and Immunohistochemistry. 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/1x10 ⁶ cells or 100µL of whole blood
IHC:	User Optimized
IP:	User Optimized

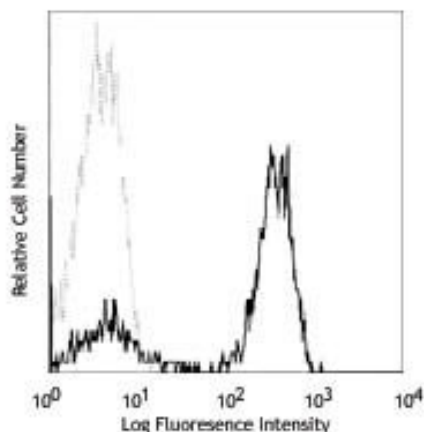
Formulation

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-CD3 Fluorescein Conjugated Monoclonal Antibody. Cells: human peripheral blood lymphocytes. Stimulation: none. Antibody: (Dotted Line) FITC Mouse IgG2a isotype control; (Solid Line) Fluorescein Anti-CD3 mouse antibody using 5 μ l.

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.