

Datasheet for 200-302-N25

CD25 Fluorescein Antibody**Overview**

Description:	Anti-CD25 (MOUSE) Fluorescein Conjugated Monoclonal Antibody - 200-302-N25
Item No.:	200-302-N25
Size:	500 µL
Applications:	FC
Reactivity:	Human
Host Species:	Mouse

Product Details

Background:	CD25 is a 55 kD type I transmembrane glycoprotein also known as the low affinity IL-2 receptor α chain or Tac. It is expressed on progenitor lymphocytes, activated T and B cells, and activated monocytes/macrophages. CD25 is also expressed on a subset of non-stimulated CD4+ T cells termed T regulatory cells. CD25 associates with the IL-2 receptor β (CD122) and common γ chains (CD132) to form the high affinity IL-2R complex.
Synonyms:	Interleukin-2 receptor subunit alpha, IL-2 receptor subunit alpha, IL-2-RA, IL-2R subunit alpha, IL2-RA, TAC antigen, p55
Host Species:	Mouse
Conjugate:	Fluorescein (FITC)
Clonality:	Monoclonal
Clone ID:	BC96
Format:	IgG1
F/P Ratio:	4-6

Target Details

Gene Name:	IL2RA
Reactivity:	Human
Immunogen:	Anti-CD25 Antibody (Monoclonal) was produced by repeated immunizations with CD25 antigen.

Purity/Specificity: Fluorescein conjugated CD25 Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against human CD25. Reactivity is observed against human CD25, Baboon, Chimpanzee, Cynomolgus, Rhesus, and Pigtailed Macaque. Cross reactivity with CD25 from other sources has not been tested. Anti-CD25 is conjugated with FITC under optimal conditions and the solution is free of unconjugated FITC.

Relevant Links:

- [UniProtKB - P01589](#)
- [NCBI - NP_000408.1](#)
- [GeneID - 3559](#)

Application Details

Tested Applications:	FC
Application Note:	Anti-CD25 is tested for Flow Cytometry and is useful for Immunofluorescence. 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

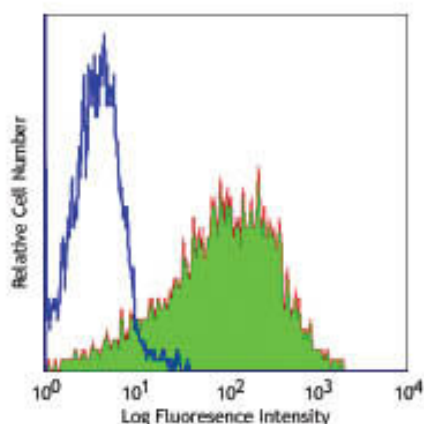
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	50 µg/ml Sufficient to run approximately 100 tests
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-CD25 Fluorescein Conjugated Monoclonal Antibody. Cells: human peripheral blood lymphocytes. Stimulation: PHA (3 day). Antibody: (Dotted Line) FITC Mouse IgG1 kappa isotype control; (Solid Line) Fluorescein Anti-CD25 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.