

Datasheet for 200-301-096S**Fluorescein (FITC) Monoclonal Antibody****Overview**

Description:	Anti-Fluorescein (MOUSE) Monoclonal Antibody - 200-301-096S
Item No.:	200-301-096S
Size:	25 µL
Applications:	ELISA, IF, WB
Reactivity:	Fluorescein
Host Species:	Mouse

Product Details

Background:	Anti-Fluorescein can be used as visualization reagent for fluorescein-labelled compounds (such as antibodies, lectins and peptide nucleic acid (PNA) probes). Anti-FITC is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting.
Synonyms:	mouse Anti-FITC antibody, mouse anti-fluorescein antibody
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	8B9.C6.D3
Format:	IgG2a

Target Details

Reactivity:	Fluorescein
Immunogen Type:	Other
Immunogen:	Fluorescein conjugated to Mouse IgG
Purity/Specificity:	Fluorescein Antibody was prepared from mouse ascites by Protein A/G chromatography. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-mouse serum, Fluorescein conjugated IgG and Fluorescein conjugated Bovine Serum Albumin.

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-Fluorescein Antibody has been tested by ELISA, western blot, and immunofluorescence. This product is suitable for immunomicroscopy, in situ hybridization and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring lot-to-lot consistency.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:30,000
FC:	1-2 µg/mL
IHC:	1:250 - 1:1,500
WB:	1:500 - 1:3,000
Other:	236.6ug for Biotium

Formulation

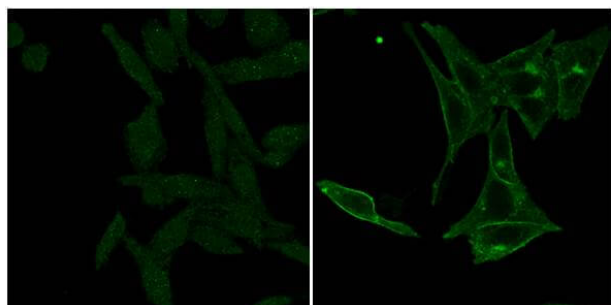
Physical State:	Liquid (sterile filtered)
Concentration:	0.51mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

No Primary Mouse anti-Transferrin



Immunofluorescence Microscopy

Immunofluorescence Microscopy of Mouse Anti-Fluorescein antibody. Tissue: HeLa cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Gain: 650. Primary antibody: FITC anti-transferrin receptor antibody. Secondary antibody: CF™488A anti-fluorescein secondary antibody at 1ug/mL for 45 min at RT. Localization/Staining: plasma membrane and endosome.

CF488A anti-FITC
DOL 6.2 at 1ug/mL Gain: 900

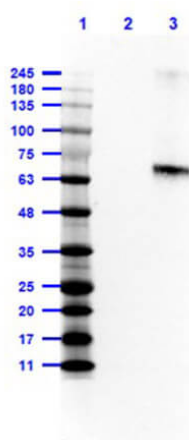


CF488A anti-FITC
DOL 6.2 at 2ug/mL Gain: 700



Immunofluorescence Microscopy

Immunofluorescence Microscopy of Mouse Anti-Fluorescein antibody. Tissue: HeLa cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: FITC anti-transferrin receptor antibody. Secondary antibody: CF™640R anti-fluorescein secondary antibody at 1ug/mL (left) and 2ug (right) for 45 min at RT. Localization/Staining: plasma membrane and endosome.



Western Blot

Western Blot of Mouse Anti-Fluorescein Antibody. Lane 1: Opal Prestained Molecular Weight Marker (p/n MB-210-0500). Lane 2: Bovine Albumin (BSA) (p/n 001-0133) [0.01μg]. Lane 3: Bovine Albumin-Fluorescein (BSA-FITC) (p/n 001-0233) [0.01μg]. Primary Antibody: Ms-anti-Fluorescein 1.0μg/mL overnight at 2-8°C. Secondary Antibody: Rabbit Anti-Mouse HRP (p/n 610-403-C46) at 1:40,000 for 30mins at RT. Block: 5% BLOTTO in 1X PBS for 1hr at RT. Predicted MW: ~60kDa. Observed MW: ~65kDa. Exposure: 0.5sec.

References

- Bryan MR et al. A Multiplex "Disposable Photonics" Biosensor Platform and Its Application to Antibody Profiling in Upper Respiratory Disease. *ACS Sens.* (2024)

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.