Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for MB-088-0500

FACS and IF Staining Buffer with Goat Serum

Overview

Description:	Fluorescent Activated Cell Sorting (FACS) and Immunofluorescence (IF) Staining Buffer with Goat Serum - MB-088-0500
Item No.:	MB-088-0500
Size:	500 mL
Applications:	FC, IF

Product Details

Background:	Fluorescent Activated Cell Sorting (FACS) and Immunofluorescence (IF) staining buffer is a diluent buffer optimized for use in flow cytometry and immunofluorescence assay of viable and/or fixed cells. FACS and IF staining, washing buffer contains 2% goat serum as carrier and stabilizer to reduce non-specific binding of antibodies and fluorochrome reagents to targets cells. Metabolic inhibitors and NaN3 are also included in the flow cytometry and immunofluorescence buffer to prevent patching, capping of surface antigen and bacterial growth.
Synonyms:	Fluorescent Activated Cell Sorting (FACS), Staining buffer, Flow cytometry staining buffer, Immunofluorescence staining buffer

Target Details

Purity/Specificity:	FACS and IF Staining Buffer was aseptically filtered through a Millipore 0.22 micron filter into clean, pre-sterilized containers. The product was tested on trypticase soy agar for 24 hours, 48 hours and 72 hours and was found to be negative for bacteria.

Application Details

Tested Applications:	FC, IF
Application Note:	Fluorescent Activated Cell Sorting (FACS) and Immunofluorescence (IF) staining buffer is adequate for cell staining, washing and dilution in flow cytometry and immunofluorescence experiments.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

FC:	User Optimized
IF:	User Optimized
IHC:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 X
Preservative:	0.1% (w/v) Sodium Azide
Stabilizer:	None

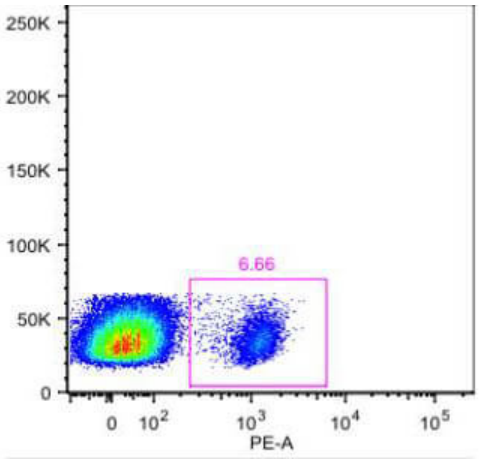
Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store container at 4° C prior to opening.
Expiration:	Expiration date is three (3) months from date of receipt.

Images



Bottle
Fluorescent Activated Cell Sorting (FACS) and Immunofluorescence (IF) Staining Buffer with Goat Serum



Flow Cytometry
Flow Cytometry of Mouse anti-Human CD4 Phycoerythrin conjugated antibody. Using FACs Buffer and Protocol for washing and collecting cells.

References

- Young RE et al. Investigating the Impact of Hypoxia and Syncytialization on Lipid Nanoparticle-Mediated mRNA Delivery to Placental Cells. *bioRxiv [preprint]* (2025)
- Grant MT et al. Cellular trafficking and fate mapping of cells within the nervous system after in utero hematopoietic cell transplantation. *Commun Biol.* (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.