

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	IgG1, Mouse, clone MOPC-21, FITC conjugated		
Catalog number	HI1016F-50UG		
Lot number	-	Expiry date	-
Volume	100 µl	Amount	50 µg
Formulation	0.2 µm filtered in PBS+0.09%NaN3	Concentration	500 µg/ml
Host Species	Mouse IgG1	Conjugate	FITC
Endotoxin	N.A.	Purification	Affinity
Storage	4°C		

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #			4	5				
Yes	•	•	•	•			•	•
No								
N.D.					•	•		

N.D.= Not Determined; IHC = Immunohistochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot

For mentioned applications dilutions to be used depend on detection system applied. It is recommended that users titrate the antibody for use in their system to a concentration equivalent to the test reagents.

General Information

Description	The Mouse IgG1, mAb MOPC-21 immunoglobulin is useful as an isotype control for several applications: Western blot, immunoprecipitation, immunohistochemistry, immunofluorescence microscopy, immunocytochemistry and immunofluorescent staining (surface or intracellular) for flow cytometric analysis.
References	<ol style="list-style-type: none"> 1. Carlsten M, et al; DNAX Accessory Molecule-1 Mediated Recognition of Freshly Isolated Ovarian Carcinoma by Resting Natural Killer Cells. <i>Cancer Res.</i> 2007, 67:3 2. Smed-Sørensen A, et al; IgG regulates the CD1 expression profile and lipid antigen-presenting function in human dendritic cells via FcγRIIIa. <i>Blood</i> 2008, 111:10 3. Bundesmann M, et al; Role of urokinase plasminogen activator receptor-associated protein in mouse lung. <i>Am J Respir Cell Mol Biol.</i> 2012 Feb 46:2 4. Matsuyama T, et al; Expression of major histocompatibility complex class II and CD80 by gingival epithelial cells induces activation of CD4+ T cells in response to bacterial challenge. <i>Infect. Immun.</i> 2005, 73:2 5. Correia D, et al; Differentiation of human peripheral blood Vδ1+ T cells expressing the natural cytotoxicity receptor NKp30 for recognition of lymphoid leukemia cells. <i>Blood</i> 2011, 118:4 6. Freeley S, et al; Granulocyte colony stimulating factor exacerbates antineutrophil cytoplasmic antibody vasculitis. <i>Ann Rheum Dis.</i> 2013, 72:6 7. Headland S, et al; Cutting-edge analysis of extracellular microparticles using ImageStream(X) imaging flow cytometry. <i>Sci Rep.</i> 2014, 4:5237 8. Mueller-Ortiz S, et al; The receptor for the complement C3a anaphylatoxin (C3aR) provides host protection against <i>Listeria monocytogenes</i>-induced apoptosis. <i>J Immunol</i> 2014, 193:3
Storage&stability	Product should be stored undiluted at 4°C. Avoid repeated freezing and thawing as this may denature the antibody. Under recommended storage conditions, product is stable for at least one year.

Precautions

For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC
Brenda Teunissen

Date
20/12/2019

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.