

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

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|-----------------------|---|----------------------|-----------|
| Product name | IgG2b, Mouse, clone MPC-11, FITC conjugated | | |
| Catalog number | HI1022F-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 IgG2b | Conjugate | FITC |
| Endotoxin | N.A. | Purification | Affinity |
| Storage | 4°C | | |

Application notes

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

N.D.= Not Determined; IHC = Immuno histochemistry; 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

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| Description | The Mouse IgG2b, mAb MPC-11 immunoglobulin is useful as an isotype control for several applications: Western blot, immunoprecipitation, immunohistochemistry, immunofluorescence microscopy and immunofluorescent staining (surface or intracellular) for flow cytometric analysis. |
| References | <ol style="list-style-type: none"> 1. Smed-Sørensen A, et al; IgG regulates the CD1 expression profile and lipid antigen-presenting function in human dendritic cells via FcγRIIa. <i>Blood</i> 2008, <i>111</i>:10 2. Podolin P, et al; Inhibition of invariant chain processing, antigen-induced proliferative responses, and the development of collagen-induced arthritis and experimental autoimmune encephalomyelitis by a small molecule cysteine protease inhibitor. <i>J. Immunol.</i> 2008, <i>180</i>:12 3. Ameres S, et al; CD8 T cell-evasive functions of human cytomegalovirus display pervasive MHC allele specificity, complementarity, and cooperativity. <i>J Immunol.</i> 2014, <i>192</i>:12 4. Reynolds AE, et al; Natural IgM is produced by CD5- plasma cells that occupy a distinct survival niche in bone marrow. <i>J Immunol.</i> 2015, <i>194</i>:1 |
| 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
01/02/2023

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