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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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COMBI IC Reagent: IgG Negative Control (FITC) and IgG Negative Control (PE)

nordicmubio.com/products/COMBI-IC-Reagent-IgG-Negative-Control-FITC-and-IgG-Negative-Control-PE-/GIC-201

Catalog number: **GIC-201**

Clone	VI-AP and VI-AP
Isotype	IgG1
Product Type	Negative Control
Units	1 ml
Host	Mouse
Application	Flow Cytometry

Background

This ready to use Negative Control reagent contains a combination of fluorescein and phycoerythrin conjugated mouse immunoglobulin molecules of IgG1 isotype, which have been selected on the basis of their binding characteristics: no specific binding to human intracellular or cell surface antigens, same low range of nonspecific binding to human leukocytes as other COMBI-IC-Reagents. Like all other COMBI-IC-reagents, this reagent should be used in combination with our FIX&PERM? Cell Permeabilization Kit (Cat.No. GAS-002) These isotype control IgG1 are suitable as negative controls to be used in combination with COMBI-IC reagents for the: - Enumeration of Myeloid Cells - Analysis of Myeloid Differentiation Stage - Enumeration of B-cells and Precursors - Enumeration of T-cells and Precursors - Analysis of Leukemia Cells - Analysis of Immunodeficiency States Results must be interpreted by a certified professional before final interpretation. Analyses performed with this antibody should be paralleled by positive and negative controls. If unexpected results are obtained which cannot be attributed to differences in laboratory procedures, please contact us.

Product

1ml of FITC- and PE-conjugated VI-AP in PBS pH 7.2, 1% BSA, and 0.05% NaN₃, approximately 50 tests.

Product Form: FITC and PE

Formulation: PBS pH 7.2, 1% BSA, 0.05% NaN₃

Specificity

VI-AP reacts with calf intestine alkaline phosphatase and does not show cross-reactivity with human proteins.

Applications

Permeabilization and Staining Procedure - In combination with our Permeabilization Kit FIX&PERM[®] (Cat. No. GAS-002) intracellular isotype controls can be easily stained in cell suspensions. - For each sample to be analyzed add 50 µl of whole blood, bone marrow or mononuclear cell suspension in a 5ml tube - Add 100 µl of Reagent A (Fixation Medium, stored and used at room temperature) - Incubate for 15 minutes at room temperature - Add 5 ml phosphate buffered saline and centrifuge cells for 5 minutes at 300 g - Remove supernatant and add to cell pellet 100 µl Reagent B (Permeabilization Medium) and 20 µl of COMBI-IC Negative Control antibody conjugate. - Vortex at low speed for 1-2 seconds - Incubate for 15 minutes at room temperature - Wash cells with phosphate buffered saline as described above - Remove supernatant and resuspend cells in sheath fluid for immediate analysis or resuspend cells in 0.5 ml 1.0 % formaldehyde and store them at 2-8°C in the dark. Analyze fixed cells within 24 hours.

Storage

Nordic-MUbio monoclonal antibody reagents contain optimal concentrations of affinity-purified antibody. For stability reasons this monoclonal antibody solution contains sodium azide. These reagents should be stored at 2-8°C (DO NOT FREEZE!) and protected from prolonged exposure to light. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance or the concentration of the product. Stability of the reagent: Please refer to the expiry date printed onto the vial. The use of the reagent after the expiration date is not recommended.

Caution

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. It may contain hazardous ingredients. Please refer to the Safety Data Sheets (SDS) for additional information and proper handling procedures. Dispose product remainders according to local regulations. This datasheet is as accurate as reasonably achievable, but Exalpha Biologicals accepts no liability for any inaccuracies or omissions in this information.

References

1. J. L. Clarke, W. Watkins, J Biol Chem 271, 10317 (1996). 2. R. N. Knibbs et al., J Cell Biol 133, 911 (1996). 3. B. Kniep et al., J Biochem (Tokyo) 119, 456 (1996). 4. A. J. Wagers, L. M. Stoolman, R. Kannagi, R. Craig, G. S. Kansas, J Immunol 159, 1917 (1997). 5. M. Noguchi, N. Sato, H. Sugimori, K. Mori, K. Oshimi, Leuk Res 25, 847 (2001). 6. W. M. Watkins, J. L. Clarke, Adv Exp Med Biol 491, 231 (2001).

Warranty

The products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, that extend beyond the description on the label of the product. Exalpa's sole liability is limited to either replacement of the products or refund of the purchase price. Exalpa is not liable for property damage, personal injury, or economic loss caused by the product.

Safety Datasheet(s) for this product:

NM_Sodium Azide



Figure 1. Flow cytometric analysis of normal white blood cells with GIC-201, a negative control preparation.



Figure 2. Flow cytometric analysis of normal white blood cells with GIC-201, a negative control preparation.



Figure 3. Flow cytometric analysis of normal white blood cells with GIC-201, a negative control preparation.