

COMBI-IC REAGENT

Negative Control



Available Form:

Fluorescein/PE Conjugated Isotype Control

Cat. No.: GIC-201

50 Tests



Specification

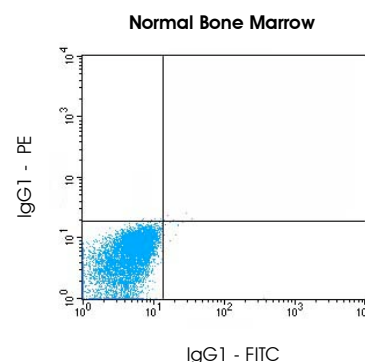
Negative Control-Fluorescein Antibody

Clone: VI-AP
Immunogl. Class: IgG1
Species: Mouse
Purification: Chromatography
Fluorochrome: FITC conjugated

Negative Control-Phycoerythrin Antibody

Clone: VI-AP
Immunogl. Class: IgG1
Species: Mouse
Purification: Chromatography
Fluorochrome: PE conjugated

Storage Buffer: PBS pH 7.2, 1% BSA, 0.05% NaN₃



Introduction

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)

Intended use

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 put within the context of other diagnostic tests as well as the clinical history of the patient by a certified professional before final interpretation.

Specificity

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

Storage

AN DER GRUB monoclonal antibody reagents contain optimal concentrations of affinity-purified antibody. For stability reasons 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 before and after the vial has been opened. 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. If unexpected results are obtained which cannot be attributed to differences in laboratory procedures, please contact us.

Samples

Biological fluids (blood, bone marrow, and others) must be collected under sterile conditions. Anticoagulation with EDTA or heparin is

recommended. The samples should be stored at room temperature until used. For optimal results, samples should be processed and analyzed within 24 hours.

Samples with high numbers of non-viable cells might cause false results, such cases require determination of cell viability with e.g. propidium iodide.

All biological samples have to be handled with caution. Always consider them as potentially infective. Use appropriate precautions such as gloves, lab-coat, etc.

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.

Limitations of the technique

Flow cytometry should be performed by professional users only. Improper alignment of the flow cytometer, inaccurate compensation of fluorescence leaking into other channels as well as incorrect positioning of regions may lead to false results.

Lysis of red cells might be impossible for various reasons. In such instances it is recommended to isolate mononuclear cells (MNC) via density gradient centrifugation prior to staining.

Results will be correct and reproducible as long as the procedures used respect the technical recommendations and obey good laboratory practice.

It is strongly recommended to stick to the staining protocol in terms of concentration and volume regarding cells and antibody.

The properties of this reagent have been determined using EDTA anti-coagulated peripheral blood.

Precautions

For professional users only.

This reagent contains sodium azide. To avoid the development of hazardous conditions, reagents containing azide should be diluted in running water prior to be discarded. Similar to the work with other biological products, proper handling procedures are recommended.

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. ADG's sole liability is limited to either replacement of the products or refund of the purchase price. ADG is not liable for property damage, personal injury, or economic loss caused by the product.

Selected References

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For In Vitro Diagnostic Use

For professional use only.

Explanation of symbols

REF	Catalog number
IVD	In vitro diagnostic medical device
①	Consult instructions for use
2°-8°	Temperature limitation
☼	Keep away from sunlight
LOT	Batch code
🕒	Use by
⚠	Contains sufficient for (N) Tests
🏭	Manufacturer