

IOTest[®] IgG2a (Mouse)-PC7

PN A12692 – 1 mL Liquid – 10 µL / test* – Clone 7T4-1F5

Analyte Specific Reagent.

Analytical and performance characteristics are not established.

SPECIFICITY

The 7T4-1F5 mouse monoclonal antibody (mAb) has an irrelevant specificity. It induces nonspecific immuno-labeling on hematopoietic cells and platelets (1).

This PC7-conjugated 7T4-1F5 mAb shares certain structural characteristics (i.e. isotype and conjugated fluorochrome) with monoclonal antibodies of interest (i.e. mAbs specific of hematopoietic cell surface antigens).

REAGENT

IOTest IgG2a (Mouse)-PC7 Conjugated Antibody
PN A12692 – 1 mL Liquid – 10 µL / test*.

Clone 7T4-1F5
Ig chain IgG2a, Mouse
Immunogen A totally unique clonotypic determinant present on the cell line used for immunization

Hybridoma Source NS1 x Balb/c
Purification Ascites fluid
Ion exchange or affinity chromatography

Conjugation PC7
(Phycoerythrin-Cyanine 7)

Molar Ratio PC7 / protein: 0.5 – 1.5
Fluorescence PC7 (far red)
Excites at 486 – 580 nm
Emits at 750 – 810 nm

REAGENT CONTENTS

This reagent is provided in phosphate-buffered saline, with 0.1% sodium azide (NaN₃) as preservative, and 2.0 mg / mL bovine serum albumin (BSA).

STATEMENT OF WARNINGS

1. This reagent contains 0.1% sodium azide. Sodium azide under acid conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with

running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, wash excessively with water.

2. Do not use antibody beyond the expiration date on the label.
3. Samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
4. Never pipet by mouth and avoid contact of samples with skin and mucous membranes
5. Minimize exposure of reagent to light during storage or incubation.
6. Avoid microbial contamination of reagents or incorrect results might occur.
7. Use good laboratory practices when handling this reagent.

STORAGE CONDITIONS AND STABILITY

This reagent is stable up to the expiration date when stored at 2 – 8°C. Do not freeze. Minimize exposure to light.

EVIDENCE OF DETERIORATION

Any change in the physical appearance of this PC7-labeled reagent (clear, slightly pink to redish liquid) or any major variation in values obtained for control samples may indicate deterioration and the reagent should not be used.

REAGENT PREPARATION

No preparation is necessary. This monoclonal antibody may be used directly from the vial. Bring reagent to 18 – 25°C prior to use.

PRECAUTIONS

Due to the tandem structure of the fluorochrome, PC7 also emits light at 575 nm. This secondary emission peak

varies from lot-to-lot of PC7. Therefore, for multicolor analysis, the compensation matrix should be carefully checked when changing the lot of a PC7-conjugate

SELECTED RESEARCH REFERENCES

1. Stewart, C.C., Stewart, S.J., "Cell preparation for the identification of leukocytes", 1994, Methods Cell Biol., Chap3, 41, 39-60.

PRODUCT AVAILABILITY

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PE is licensed under patent 4,520,110.

For additional information in the USA, call 800-526-7694.

Outside the USA, contact your local Beckman Coulter representative.

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(*): 10 µL is the quantity of product sufficient to stain
5 x 10⁵ cells in a standard immunofluorescence assay