

IOTest[®] IgG2a-PE (Mouse)

PN A09141 – 2 mL Liquid – 20 µL / test* – Clone 7T4-1F5

Analyte Specific Reagent.

Analytical and performance characteristics are not established.

SPECIFICITY

Certain monoclonal antibodies (mAb) have irrelevant specificities. They induce nonspecific immunolabeling on hematopoietic cells and platelets (1).

This PE-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-PE Conjugated Antibody
PN A09141 – 2 mL liquid – 20 µL / test

Clone 7T4-1F5

Isotype IgG2a, κ

Immunogen A totally unique clonotypic determinant present on the cell line used for immunization

Hybridoma NS1 x Balb/c

Source Ascites fluid

Purification Protein A affinity chromatography

Conjugation PE (Phycoerythrin) is conjugated at 0.5 – 1.5 moles of PE per mole of Ig.

PE (Orange) Excites at 486 – 580 nm
Emits 568 – 590 nm

Buffer 2 mg/mL bovine serum albumin in phosphate-buffered saline containing 0.1% sodium azide.

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. All specimens and samples must be considered as potentially infectious and must be handled with care (in particular: the wearing of protective gloves, gowns and goggles).
3. Do not expose reagents to strong light during storage or incubation.
4. Avoid microbial contamination of reagents or incorrect results might occur.
5. Avoid contact of samples with skin mucosa and eyes. Never pipet by mouth
6. Do not use reagent beyond the expiration date on the vial label.
7. Let it come to room temperature (18 – 25°C) before use.
8. Use general 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 PE-labeled reagent (clear, colorless to pink liquid) or any major

variation in values obtained for control samples may indicate deterioration and the reagent should not be used.

REAGENT PREPARATION

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

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

IOTest IgG2a-PE Conjugated Antibody
PN A09141 – 2 mL liquid – 20 µL / test
For additional information in the USA, call 800-526-7694.

Outside the USA, contact your local Beckman Coulter representative.

www.beckmancoulter.com

TRADEMARKS

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

