**IOTest CD9-APC-Alexa Fluor 750**

PN B13649 – 0.5 mL – Liquid – 10 µL/test – Clone ALB6

### Analyte Specific Reagent.

Analytical and performance characteristics are not established.

### SPECIFICITY

**CD9** (p24 antigen) is a single transmembrane polypeptide of 24 kDa related to the tetraspanin (TM4) family. Like other tetraspanins (e.g. CD63, CD81, CD82, CD37, CD53, among the 20 known members), CD9 structure is composed of 4 transmembrane domains, with intracellular N and C termini (1). First discovered on a lymphoblastic cell line of pre-B phenotype (2), CD9 was then found on platelets and in lymphoblastic cell line of pre-B phenotype and C termini (1). First discovered on a transmembrane domains, with intracellular N members), CD9 structure is composed of 4 other tetraspanins (e.g. CD63, CD81, CD82, CD37, CD53, among the 20 known related to the tetraspanin (TM4) family. Like transmembrane polypeptide of 24 kDa CD9 (p24 antigen) is a single

### REAGENT

**IOTest CD9-APC-Alexa Fluor 750**

**Conjugated antibody**

PN B13649 - 0.5 mL - Liquid - 10 µL/test

**Clone**

ALB6

**Isotype**

IgG1, Mouse

**Immunogen**

Bone marrow malignant cells

**Hybridoma**

NS1 x balb/c

**Source**

Ascites fluid or supernatant of in vitro cultured hybridoma cells.

**Purification**

Affinity chromatography

**Conjugation**

Allophycocyanin-Alexa Fluor 750 (APC-Alexa Fluor 750)

**Molar Ratio**

APC-Alexa Fluor 750 / Ig : >1

**Fluorescence**

Excites at 633/638 nm

Emits at 775 nm

### REAGENT CONTENTS

This antibody is provided in phosphate-buffered saline, containing 0.1% sodium azide and 2 mg/mL bovine serum albumin.

### STATEMENTS OF WARNING

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. Specimens, samples and all material coming in contact with them should be considered potentially infectious and disposed of with proper precautions.

3. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.

4. Do not use antibody beyond the expiration date on the label.

5. Do not expose reagents to strong 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 AND HANDLING CONDITIONS

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

### PRECAUTIONS

Due to the tandem structure of the fluorochrome, APC-Alexa Fluor 750 also emits light at 860 nm. This secondary emission peak varies from lot-to-lot of APC-Alexa Fluor 750. Therefore, for multi-color analysis, the compensation matrix should be carefully checked when changing the lot of a APC-Alexa Fluor 750-conjugate.

### SELECTED RESEARCH REFERENCES


### TRADEMARKS

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### MANUFACTURED BY :

IMMUNOTECH SAS

a Beckman Coulter Company

130, avenue de Lattre de Tassigny

B.P. 177 - 13276 Marseille Cedex 9 France

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

Outside the USA, contact your local Beckman Coulter representative.

www.beckmancoulter.com

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