

Analyte Specific Reagent.

Analytical and performance characteristics are not established.

SPECIFICITY

The CD24 antigen is a glycosyl-phosphatidylinositol-linked membrane sialoglycoprotein with a molecular weight of 35-45 kDa. CD24 is present on B cells, from the stage pre-B to the mature B cell stage, but not on plasma cells. It is expressed on mature granulocytes and on a variety of epithelial cell types.

The ALB9 monoclonal antibody has been assigned to the CD24 cluster of differentiation at the 6th HLDA Workshop on Human Leucocyte Differentiation Antigens in Kobe, Japan, in 1996 (1).

REAGENT

IOTest CD24-APC

Conjugated antibody

PN A87785 - 50 tests - Liquid - 10 µL/test*

Clone	ALB9
Isotype	IgG1 kappa, Mouse
Immunogen	Bone marrow malignant cells
Hybridoma Source	NS1 x spleen B cells Ascites fluid
Purification	Affinity chromatography
Conjugation	Allophycocyanin (APC)
Molar Ratio	APC / Ig : 0.5 - 1.5
Fluorescence	Excites at 633 nm Emits at 660 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 CONDITIONS AND STABILITY

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

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. Chappel S., Kay R., Humphries RK., "CD24 Workshop Panel Report", 1997, Leucocyte Typing VI, White Cell Differentiation Antigens, Kishimoto T., et al, Eds Garland Publishing Inc., 147-149.

TRADEMARKS

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