

IO Test Conjugated Antibody CD10-APC

	Specifications
Specificity	CD10
Clone	ALB1
Hybridoma	NS1 x balb/c
Immunogen	Human Leukemia cells
Isotype	IgG1
Species	Mouse
Purification	Affinity chromatography
Fluorochrome	Allophycocyanin (APC)
Molar ratio	APC / Ig: 0.5 - 1.5
λ excitation	633/638 nm
Emission Peak	660 nm
Buffer	PBS pH 7.2 plus 2 mg / mL BSA and 0.1% NaN ₃

REF IM3633 Liquid - 1 mL

Analyte Specific Reagent.

Analytical and performance characteristics are not established

REAGENTS

Concentration: See lot specific Certificate of Analysis at www.beckmancoulter.com.

WARNING AND PRECAUTIONS

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.
8. Any change in the physical appearance of the reagents may indicate deterioration and the reagent should not be used.

GHS HAZARD CLASSIFICATION

Not classified as hazardous

STORAGE AND HANDLING CONDITIONS AND STABILITY

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

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

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Sodium azide preservative may form explosive compounds in metal drain lines. See NIOSH Bulletin: Explosive Azide Hazard (8/16/76).

To avoid the possible build-up of azide compounds, flush wastepipes with water after the disposal of undiluted reagent. Sodium azide disposal must be in accordance with appropriate local regulations.

SPECIFICITY

The CALLA gene encodes a 100-kD type II transmembrane glycoprotein. The CALLA related DNA sequences are found on human chromosome 3J (1). CALLA, (CD10), was described as a surface enzyme expressed on early lymphoid progenitors and neutrophils, and identified as the zinc metalloprotease, neutral endopeptidase 24.11 (NEP, "enkephalinase"). The CD10 enzyme is known to hydrolyze a variety of biologically active peptides, including met-enkephalin, formyl-met-leu-phe (f-MLP), and substance P, which are involved in the process of cell differentiation and maturation.

The monoclonal antibody ALB1 was studied during the 1st HLDA Workshop on Human Leucocyte Differentiation Antigens, held in Paris, France, 1982 (2).

TRADEMARKS

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ADDITIONAL INFORMATION

For additional information, or if damaged product is received, call Beckman Coulter Customer Service at 800-526-7694 (USA or Canada) or contact your local Beckman Coulter Representative.

REFERENCES

1. Barker PE1, Shipp MA, D'Adamio. The common acute lymphoblastic leukemia antigen gene maps to chromosomal region 3 (q21-q27). Immunol. 1989 Jan 1; 142(1):283-7.
2. Boucheix, C., Perrot, J.Y., Mirshahi, M., Fournier, N., Billard, M., Giannoni, F., Bernadou, A., Rosenfeld, C., "Monoclonal antibodies against acute lymphoblastic leukemia differentiation antigens", 1984, Leucocyte Typing I, Bernard, A. et al., Springer Verlag, 671-672.



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