CYTO-STAT/ COULTER CLONE B4 (Lytic)-RD1/J5-FITC

REF 6604241

PN 4236079-FA

	B4 (Lytic)-RD1	J5-FITC
Specificity	CD19	CD10
Clone	HD237 (IgG2b) [1]	J5 (IgG1) [2]
Hybridoma	P3-NS1/1-AG4-1 x BALB/c	NS1-AG4 x BALB/c
Immunogen	Leukemic cells from a patient with hairy cell leukemia	Tumor cells from a patient with a CALLA positive non-T cell ALL
Ig Chain	IgG2b	IgG2a
Species	Mouse	Mouse
Source	Ascites fluid	Ascites fluid
Purification	Affinity chromatography	Affinity chromatography
Fluorescence	Excites at 486-580 nm / Emits at 568-590 nm	Excites at 468-509 nm / Emits at 504-541 nm
Conjugation	RD1 (Phycoerythrin)	FITC (Fluorescein Isothiocyanate)
Molar Ratio	RD1/Protein: 0.5-1.5	FITC/Protein: 3-10

ANALYTE SPECIFIC REAGENT

Analytical and performance characteristics are not established.

ANTIBODY SPECIFICITY

B4 (Lytic) monoclonal antibody recognizes the pan-B CD19 lymphocyte antigen, which has a molecular weight of 95 kd. It reacts with B cells including early B-cell precursors and pre-B cells. Plasma cells are negative. B4 (Lytic) does not bind to T lymphocytes, myeloid cells, erythrocytes or platelets. It stains B-cell areas in lymphoid organs and dendritic reticulum cells in lymphoid follicles.[1]

J5 (CD10), a Common Acute Lymphoblastic Leukemia Antigen (CALLA), has a molecular weight of 100 kd. It is found on some granulocytes and bone marrow, fetal liver, renal tubular, glomerular epithelial and breast myoepithelial cells from some specimens.[2]

REAGENTS

See table above.

REAGENT CONTENTS

B4 (Lytic)-RD1: The antibody concentration is 40 µg/mL.
J5-FITC: The antibody concentration is 110 µg/mL.

The concentration of nonantibody reagents in 0.5 mL (1 vial) is 0.2% BSA, 0.01 M potassium phosphate, 0.15 M NaCl, 0.1% NaN_3 and stabilizers.

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 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 reagents to light during storage or incubation.
6. Avoid microbial contamination of reagents or incorrect results might occur.
7. Use Good Laboratory Practices (GLP) when handling this reagent.
8. Harmful if swallowed.
9. After contact with skin, wash immediately with plenty of water.

EVIDENCE OF DETERIORATION

Any change in the physical appearance of the reagent (clear, colorless to pinkish liquid) or any major variation in values obtained for control samples might indicate deterioration and the reagent should not be used.

STORAGE AND HANDLING CONDITIONS AND STABILITY

No preparation is necessary for CYTO-STAT/ COULTER CLONE B4 (Lytic)-RD1/J5-FITC. This CYTO-STAT/COULTER CLONE reagent is used directly from the vial.

Bring reagent to 20-25°C prior to use.

STORAGE AND STABILITY

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

SELECTED REFERENCES

1. McMichael AJ, Beverley PCL, Cobbold S, Crumpton MJ, Gilks W, Gotch FM, Hogg N, Horton M, Ling N, MacLennan ICM, Mason DY, Milstein C, Spiegelhalter D and Waldman H, eds:1987. Leukocyte Typing III. OxfordUniversityPress,Oxford,UK.
2. Bernard A, Boumsell L, Dausset J, Milstein C and Schlossman SF, eds: 1984. Leukocyte Typing.Springer-Verlag.New York, NY.

PRODUCT AVAILABILITY

CYTO-STAT/COULTER CLONE
B4 (Lytic)-RD1/J5-FITC
REF 6604241 - 0.5 mL

TRADEMARKS

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.

Beckman Coulter, Inc.
250 S. Kraemer Blvd.
Brea, CA 92821
www.beckmancoulter.com

Made in USA