CYTO-STAT/ COULTER CLONE I3-RD1

REF 6604366

PN 4236108-EA

	I3-RD1
Specificity	HLA-D (DR, DP, DQ)
Clone	9-49[1]
Hybridoma	NS1 x BALB/c
Immunogen	Human Monocytes
Ig Chain	IgG2a
Species	Mouse
Source	Ascites Fluid
Purification	Affinity Chromatography
Fluorescence	Excites at 486-580 nm Emits at 568-590 nm
Conjugation	RD1 (Phycoerythrin)
Molar Ratio	RD1/Protein 0.5-1.5

ANALYTE SPECIFIC REAGENT
Analytical and performance characteristics are not established.

ANTIBODY SPECIFICITY
The I3 antibody recognizes a nonpolymorphic epitope of the HLA-D (DR, DP, DQ) or MHC class II antigens. The antigen is a heterodimer composed of α and β polypeptides with molecular weights of 34 and 29 kd, respectively.[1] It is expressed on human monocytes, macrophages, B lymphocytes, and activated T lymphocytes, as well as many early progenitor cells. It is negative on resting T lymphocytes, granulocytes, erythrocytes and platelets.[1] I3 recognizes all HLA-D gene products and is therefore useful in detecting cells which may be variable in their expression of HLA-DR, DP or DQ.

REAGENT
See table above.

REAGENT CONTENTS
The antibody concentration is 56 µg/mL.

The concentration of nonantibody reagents 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 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 reconstitution is necessary. This CYTO-STAT/ COULTER CLONE monoclonal antibody may be used directly from the vial.

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

STORAGE AND STABILITY
This reagent is stable to the expiration date on the vial label when stored at 2-8°C. Do not freeze. Minimize exposure to light.

SELECTED RESEARCH REFERENCES

1. Todd RF, III, Meuer SC, Romain PL, and Schlossman SF:1984. A monoclonal antibody that blocks class II histocompatibility-related immune interactions. Human Immunology 10:23.

PRODUCT AVAILABILITY
CYTO-STAT/COULTER CLONE I3-RD1
REF 6604366 - 0.5 mL

TRADEMARKS

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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

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