CYTO-STAT/ COULTER CLONE KC56 (T-200) - FITC

REF 6604104

PN 4236046-DA

BECKMAN COULTER

	KC56 (T-200) - FITC
Specificity	CD45
Clone	DW124-5-2
Hybridoma	Sp2/0-AG14 x BALB/c
Immunogen	CEM Cell Line Derivative
Ig Chain	IgG1
Species	Mouse
Source	Conditioned Media
Purification	Affinity Chromatography
Fluorescence	Excites at 468-509 nm Emits at 504-541 nm
Conjugation	FITC (Fluorescein Isothiocyanate)
Molar Ratio	FITC/Protein 3-10

ANALYTE SPECIFIC REAGENT
Analytical and performance characteristics are not established.

ANTIBODY SPECIFICITY
KC56 recognizes members of the CD45 family of pan leukocyte antigens with molecular weights of 180, 190, 210 and 220 kd.[1-3] It is also known as the leukocyte common antigen (LCA). CD45 antigen is expressed on every type of hematopoietic cell except mature erythrocytes and their immediate progenitors.[4,5] It has not been detected in differentiated non hematopoietic tissue.[4-7]

REAGENT
See table above.

REAGENT CONTENTS
The antibody concentration is 220 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. Specimens, samples, and all material coming in contact with them should be handled as if capable of transmitting infection 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 reagent beyond the expiration date on the vial label.
5. Minimize exposure of reagent to light during storage or incubation.
6. Avoid microbial contamination of reagents or erroneous results may 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 this reagent (clear colorless to yellowish liquid) or any major variation in values obtained for control samples may indicate deterioration and the reagent should not be used.

STORAGE AND HANDLING CONDITIONS AND STABILITY
No preparation is necessary. 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 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. 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. Oxford University Press, Oxford, UK. pp. 796-801, Appendix E.
2. Newman W, Targan SR and Fast LD. 1984. Immunobiological and immunochemical aspects of the T-200 family of glycoproteins. Mol Imm 21(11):1113-1121.
3. Fabre JW and Williams AF. 1977. Quantitative serological analysis of a rabbit anti-rat lymphocyte serum and preliminary biochemical characterisation of the major antigen recognised. Transplantation 23:4.
4. Coffman RL and Weissman IL. 1981. B220: A B cell-specific member of the T200 glycoprotein family. Nature 289:681-683.
5. Dalchau R and Fabre JW. 1981. Identification with a monoclonal antibody of a predominantly B lymphocyte-specific determinant of the human leukocyte common antigen. J Exp Med 153:753-765.
6. Omary MB, Trowbridge IS and Battifora HA. 1980. Human homologue of murine T200 glycoprotein. J Exp Med 152:842-852.
7. Dalchau R, Kirkley J and Fabre JW. 1981. Monoclonal antibody to a human leukocyte-specific membrane glycoprotein probably homologous to the leukocyte-common (L-C) antigen of the rat. Eur J Immunol 10:737-744.
8. Schlossman SF, Boumsell L, Gilks W, Harlan JM, Kishimoto T, Morimoto C, Ritz J, Shaw S, Silverstein R, Springer R, Tedder TF and Todd RF, eds. 1995. Leukocyte Typing V. Oxford University Press, Oxford, UK.

PRODUCT AVAILABILITY
CYTO-STAT/COULTER CLONE
KC56 (T-200) - FITC
REF 6604104 - 0.5 mL

TRADEMARKS

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

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