

**CYTO-STAT®/
COULTER CLONE®
MslgG2a-FITC,
MslgG2a-RD1**

REF 6603855 - 50 tests

REF 6604119 - 50 tests

PN 4238084-E



	CLONE 1	CLONE 2
Specificity	Non Applicable	Non Applicable
Clone	7T4-1F5	7T4-1F5
Hybridoma	NS-1 x BALB/c	NS-1 x BALB/c
Immunogen	Non Applicable	Non Applicable
Ig Chain	IgG2a	IgG2a
Species	Mouse	Mouse
Source	Conditioned media	Conditioned media
Purification	Affinity chromatography	Affinity chromatography
Fluorescence	Excites at 468-509 nm / Emits at 504-541 nm	Excites at 486-580 nm / Emits at 568-590 nm
Conjugation	FITC (Fluorescein Isothiocyanate)	RD1 (Phycoerythrin)
Molar Ratio	FITC/Protein: 3-10	RD1/Protein: 0.5-1.5

ISOTYPIC CONTROL

For In Vitro Diagnostic Use

INTENDED USE

CYTO-STAT/COULTER CLONE MslgG2a Isotypic Control Reagent is labeled with a single fluorochrome, FITC or RD1. These products are intended for use as quality control reagents to monitor the levels of nonspecific antibody binding in cell surface staining procedures which use CYTO-STAT/COULTER CLONE monoclonal antibody reagents of the mouse IgG2a subclass, conjugated to FITC or RD1.

CYTO-STAT/COULTER CLONE MslgG2a-FITC or MslgG2a-RD1 are intended "For In Vitro Diagnostic Use" when used with CYTO-STAT/COULTER CLONE monoclonal antibody reagents labeled "For In Vitro Diagnostic Use." All other uses are "For Research Use Only. Not For Use In Diagnostic Procedures."

ANTIBODY SPECIFICITY

The MslgG2a antibody is used to monitor the level of nonspecific staining in cell staining procedures which use antibodies of the mouse IgG2a subclass conjugated to FITC or RD1.¹⁻³

REAGENT

CYTO-STAT/COULTER CLONE MslgG2a-FITC
PN 6603855 - 50 tests (0.5 mL)

OR

CYTO-STAT/COULTER CLONE MslgG2a-RD1
PN 6604119 - 50 tests (0.5 mL)

CLONE: 7T4-1F5 (MslgG2a) was derived from the hybridization of mouse NS-1 cells with spleen cells from BALB/c mice immunized with spleen cells from BALB/c mice.

Ig CHAIN: Mouse IgG2a heavy chain and kappa light chains

SOURCE: Conditioned media

PURIFICATION: Affinity chromatography

CONJUGATION: MslgG2a-FITC (Fluorescein isothiocyanate)

MslgG2a-RD1 (Phycoerythrin)

MOLAR RATIO: FITC/protein 3-10
RD1/protein 0.5-1.5

FLUORESCENCE:

FITC (Green) Excites at 468-509 nm
Emits at 504-541 nm

RD1 (Orange) Excites at 486-580 nm
Emits at 568-590 nm

REAGENT CONTENTS

The concentration of nonantibody reagents is 0.2% BSA, 0.01 M potassium phosphate, 0.15 M NaCl, 0.1% NaN₃ 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 reagent 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.

STORAGE CONDITIONS AND STABILITY

Unopened reagents are stable to the expiration date on the vial label when stored at 2-8°C. Do not freeze. Minimize exposure to light.

EVIDENCE OF DETERIORATION

Any change in the physical appearance of the reagent (FITC labeled = clear, colorless to yellowish-green liquid; RD1 labeled = clear, colorless to pink liquid) or any major variation in values obtained for control samples may indicate deterioration and the reagent should not be used.

REAGENT PREPARATION

No preparation is necessary. CYTO-STAT/COULTER CLONE reagents are used directly from the vial. Bring reagents to 20-25°C prior to use.

USAGE

These reagents are for use with standard flow cytometry methodologies using the COULTER® Q-PREP™/IMMUNOPREP™, MULTI-Q-PREP™/IMMUNOPREP or TQ PREP™/IMMUNOPREP Reagents System and Workstation. Refer to the CYTO-STAT/COULTER CLONE monoclonal antibody reagent package insert for instructions on how to use the control reagent.

SELECTED RESEARCH REFERENCES

1. ASHI Standards For Clinical Flow Cytometry and Cell Surface Phenotyping Laboratories. 1987. ASHI Quarterly 11(1).
2. National Committee For Clinical Laboratory Standards: Clinical Applications of Flow Cytometry: Quality Assurance and Immunophenotyping of Peripheral Blood lymphocytes; Tentative Guideline. 1992. NCCLS Document H42-T, pp. 12, 13, 37, 38.
3. Flow Cytometry Inspection Checklist. Fall 1988. College of American Pathologists, Commission on Laboratory Accreditation, p. 9.

PRODUCT AVAILABILITY

CYTO-STAT/COULTER CLONE MslgG2a-FITC
PN 6603855 - 50 tests (0.5 mL)

OR

CYTO-STAT/COULTER CLONE MslgG2a-RD1
PN 6604119 - 50 tests (0.5 mL)

RD1 is licensed under patent 4,520,110.

For additional information in the US, call 800-526-7694. Outside the US, contact your local Beckman Coulter Representative.

TRADEMARKS

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