

**CYTO STAT®/  
COULTER CLONE®  
MslgG1-ECD,  
MslgG1-PC5**

6604548 - 50 tests

6607012 - 50 tests

PN 4235996-J



	CLONE 1	CLONE 2
<b>Specificity</b>	Non Applicable	Non Applicable
<b>Clone</b>	2T8-2F5	2T8-2F5
<b>Hybridoma</b>	NS-1 x BALB/c	NS-1 x BALB/c
<b>Immunogen</b>	Non Applicable	Non Applicable
<b>Ig Chain</b>	IgG1	IgG1
<b>Species</b>	Mouse	Mouse
<b>Source</b>	Conditioned media	Conditioned media
<b>Purification</b>	Affinity chromatography	Affinity chromatography
<b>Fluorescence</b>	Excites at 486-580 nm / Emits at 610-635 nm	Excites at 486-580 nm / Emits at 660-680 nm
<b>Conjugation</b>	ECD (Phycoerythrin-Texas Red®-X)	PC5 (Phycoerythrin-Cy5)
<b>Molar Ratio</b>	ECD/Protein: 0.5-1.5	PC5/Protein: 0.5-1.5

**ISOTYPIC CONTROL**

**For Research Use Only.  
Not for use in diagnostic procedures.**

**ANTIBODY SPECIFICITY**

MslgG1 is used to monitor the level of nonspecific staining in cell staining procedures which use antibodies of the mouse IgG1 subclass conjugated to ECD or PC5.

**REAGENT**

CYTO-STAT/COULTER CLONE MslgG1-ECD  
PN 6604548 - 50 tests (0.5 mL)  
OR

CYTO-STAT/COULTER CLONE MslgG1-PC5  
PN 6607012 - 50 tests (0.5 mL)

**CLONE:** 2T8-2F5 (MslgG1) was derived from the hybridization of mouse NS-1 cells with spleen cells from BALB/c mice.

**Ig CHAIN:** Mouse IgG1 heavy chain and kappa light chains

**SOURCE:** Conditioned media.

**PURIFICATION:** Affinity chromatography.

**CONJUGATION:** MslgG1-ECD (Phycoerythrin-Texas Red®-X)  
MslgG1-PC5 (Phycoerythrin-Cy5)

**MOLAR RATIO:** ECD/protein 0.5-1.5  
PC5/protein 0.5-1.5

**FLUORESCENCE:**

ECD (Red) Excites at 486-580 nm  
Emits at 610-635 nm

PC5 (Deep Red) Excites at 486-580 nm  
Emits at 660-680 nm

**REAGENT CONTENTS**

The concentration of nonantibody reagents is 0.2% BSA, 0.01 M potassium phosphate, 0.15 M NaCl, 0.1% NaN<sub>3</sub>, 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 reagent is 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 this reagent (ECD or PC5 labeled = clear, 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. This CYTO-STAT/ COULTER CLONE reagent is used directly from the vial. Bring reagent to 20-25°C prior to use.

**USAGE**

This reagent is recommended for use with standard flow cytometry methodologies using the COULTER® IMMUNOPREPTM Reagent System and the COULTER Q-PREP™, MULTI-Q-PREP™, or TQ-PREP™ Workstation.

The use of MslgG1-ECD or MslgG1-PC5 in this reagent is not intended for enumeration of IgG1 class cells in clinical diagnostic applications.

**PRODUCT AVAILABILITY**

CYTO-STAT/COULTER CLONE MslgG1-ECD  
PN 6604548 - 50 tests (0.5 mL)  
OR

CYTO-STAT/COULTER CLONE MslgG1-PC5  
PN 6607012 - 50 tests (0.5 mL)

ECD and PC5 are licensed under patents 4,542,104 and 4,520,110.

Cy5 is licensed under patents 4,981,977 and 5,268,486. Texas Red®-X is a registered trademark of Molecular Probes, Inc.

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

**TRADEMARKS**

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