



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse IgG2a Negative Control:FITC

Catalog No.
DS-MB-03584

Target Species
Negative Control

Isotype
IgG2a

Preparation

Purification: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Immunogen: Activated rat T-helper cells

Fusion Partners: Spleen cells from immunized BALB/c mice were fused with cells of the NS1 mouse myeloma cell line.

Specificity

DS-MB-03584 is suitable for use as a negative control reagent for the measurement of non-specific binding of mouse monoclonal antibodies of isotype IgG2a to human tissue.

This antibody may not be suitable for intracellular staining on some cell types.

DS-MB-03584 recognizes a rat cell surface marker, and therefore cannot be used as a negative control in this species.

This product is routinely tested in flow cytometry on rat splenocytes to confirm antibody activity and on human whole blood to test for suitability as a negative control.

Test results have shown that DS-MB-03584 is also suitable for use as a negative control with bovine, ovine, porcine, equine, canine, lapine and guinea-pig tissues.

Formulation

Product Type: Negative/Isotype Control

Product Form: Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Buffer Solution: Phosphate buffered saline pH7.2

Preservative Stabilizers: 0.09% Sodium Azide, 1% Bovine Serum Albumin

Approx. Protein Concentrations: IgG concentration 0.1 mg/ml

Storage

Store at +4°C or at -20°C if preferred.

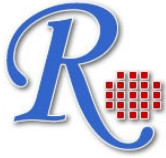
This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from date of dispatch.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Applications

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunohistology – Frozen			•	
Immunohistology - Paraffin			•	
Immunohistology - Resin			•	
Immunoprecipitation			•	
Flow Cytometry(1)	•			
Western Blotting			•	

Note: Other applications are not tested yet. Optimal dilutions should be determined.
(1) Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.

Secondary Antibody Applications

Immunoassay (ELISA, Western blotting): 1:5,000-1:10,000

References

1. Avigdor, A. *et al.* (2004) CD44 and hyaluronic acid cooperate with SDF-1 in the trafficking of human CD34+ stem/progenitor cells to bone marrow. *Blood*. 103: 2981-2989.

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