invitrogen™ | MOLECULAR PROBES®

CE

PRODUCT INSERT

MOUSE IgG2a ISOTYPE CONTROLS

Product Code	Form	Description	Volume	Amount*	Tests	Excitation (nm)	Peak Emission (nm)
MG2a00	Purified	Mouse IgG2a	0.5 ml	50 µg	50 min.	N/A	N/A
MG2a15	Biotin	Mouse IgG2a	0.5 ml	50 µg	50 min.	N/A	N/A
MG2a30	Pacific Orange™	Mouse IgG2a	0.5 ml	50 µg	50 min.	405	551
MG2a20	Alexa Fluor® 488	Mouse IgG2a	0.5 ml	50 µg	50 min.	488	519
MG2a01	FITC	Mouse IgG2a	0.5 ml	50 µg	50 min.	488	525
MG2a04	R-PE	Mouse IgG2a	0.5 ml	50 µg	50 min.	488	575
MG2a17	PE-TR†	Mouse IgG2a	0.5 ml	50 µg	50 min.	488	615
MG2a22	PE-Alexa Fluor® 610	Mouse IgG2a	0.5 ml	50 µg	50 min.	488	628
MG2a06	TC‡	Mouse IgG2a	0.5 ml	50 µg	50 min.	488	670
MG2a31	PerCP††	Mouse IgG2a	0.5ml	50ug	50 min.	488	678
MG2a18	PE-Cy5.5	Mouse IgG2a	0.5 ml	50 µg	50 min.	488	694
MG2a24	PE-Alexa Fluor® 700	Mouse IgG2a	0.5 ml	50 µg	50 min.	488	723
MG2a12	PE-Cy7	Mouse IgG2a	0.5 ml	50 µg	50 min.	488	767
MG2a05	APC	Mouse IgG2a	0.5 ml	50 µg	50 min.	600 – 650	660
MG2a19	APC-Cy5.5	Mouse IgG2a	0.5 ml	50 µg	50 min.	600 – 650	694
MG2a14	APC-Cy7	Mouse IgG2a	0.5 ml	50 µg	50 min.	600 – 650	767
MG2a29	Alexa Fluor® 700	Mouse IgG2a	0.5 ml	50 µg	50 min.	630 – 702	723
MG2a27	APC-Alexa Fluor® 750	Mouse IgG2a	0.5 ml	50 µg	50 min.	600 – 650	775

PRODUCT DESCRIPTION

Mouse IgG2a isotype controls

Lot No.: See label **Expiration:** See label

Buffer: Phosphate buffered saline (PBS)

Preservatives: 0.1% ***sodium azide*.** Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Solutions containing sodium azide should be disposed of properly.

Stabilizer: For conjugated products only, a highly purified grade of BSA has been added as a stabilizing agent.

STORAGE & HANDLING

Store reagents at 2-8°C. Light exposure should be avoided. Use dim light during handling, incubation with cells, and prior to analysis. It is recommended that cells be analyzed within 18 hours of staining. If the reagent is being diluted, it is recommended that only the quantity to be used within one week be diluted.

PRODUCT QUALITY CONTROL

Each lot is tested by flow cytometry using freshly harvested mouse splenocytes and/or human peripheral blood leukocytes (PBL). When using isotype controls as negative controls, it is recommended that the investigator determine the optimum amount of isotype control and testing antibody to be used for each application.

* The amount of isotype is determined by measuring the optical density using a spectrophotometer. The titer is verified by immunofluorescent staining and flow cytometric analysis.

† TR, Texas Red®

‡ TC, TRI-COLOR®, PE-Cy5

The efficiency of energy transfer in tandem dyes can be significantly decreased by exposure to visible light. We recommend that longer wavelength fluorochrome conjugates, e.g. PE-Cy7, PE-Alexa Fluor® 700, be protected from light during staining and while awaiting analysis, e.g. cover with aluminum foil.

The Texas Red®, Alexa Fluor® and Pacific Blue® dye conjugates in this product are sold under license from Molecular Probes, Inc., for research use only or as analyte specific reagents, except for use in combination with microarrays or high content screening, and are covered by pending and issued patents.

Cy™ is a trademark of GE/Amersham Biosciences.

†† PerCP contained in this product is protected by patents owned by Becton, Dickinson & Company (European patent 0314406, or Japanese Patent JP1888759). This product will not be sold or shipped to customers in France, Germany, Italy, United Kingdom or Japan until the pertinent patents are no longer in effect (October 21, 2008).

ANALYTE SPECIFIC REAGENT. ANALYTICAL AND PERFORMANCE CHARACTERISTICS ARE NOT ESTABLISHED.

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