invitrogen™ | MOLECULAR PROBES®

PRODUCT INSERT

GOAT ANTI-MOUSE IMMUNOGLOBULIN SUBCLASSES FLUOROCHROME CONJUGATES

Product Code	Description	Form	Volume	Working Dilution	Tests	Excitation (nm)	Peak Emission (nm)
M32017	Goat Anti-Mouse IgG1	PE-TR*	0.5 ml	1:2	100 to 400	488	615
M32006	Goat Anti-Mouse IgG1	TC†	0.5 ml	1:2	100 to 400	488	670
M32018	Goat Anti-Mouse IgG1	PE-Cy®5.5‡	0.5 ml	1:2	100 to 400	488	694
M32301	Goat Anti-Mouse IgG2a	FITC	0.5 ml	1:4	200 to 800	488	525
M32201	Goat Anti-Mouse IgG2a	FITC	1.0 ml	1:4	400 to 1600	488	525
M32204	Goat Anti-Mouse IgG2a	R-PE	0.5 ml	1:2	100 to 400	488	575
M32218	Goat Anti-Mouse IgG2a	PE-Cy®5.5	0.5 ml	1:2	100 to 400	488	694
M32205	Goat Anti-Mouse IgG2a	APC	0.5ml	Neat	50 to 200	600-650	660
M32501	Goat Anti-Mouse IgG2b	FITC	0.5 ml	1:4	200 to 800	488	525
M32401	Goat Anti-Mouse IgG2b	FITC	1.0 ml	1:4	400 to 1600	488	525
M32404	Goat Anti-Mouse IgG2b	R-PE	0.5 ml	1:2	100 to 400	488	575
M32406	Goat Anti-Mouse IgG2b	TC	0.5 ml	1:2	100 to 400	488	670
M32701	Goat Anti-Mouse IgG3	FITC	0.5 ml	1:4	200 to 800	488	525
M32601	Goat Anti-Mouse IgG3	FITC	1.0 ml	1:4	400 to 1600	488	525

Lot No.: See label

Expiration: See label

Preparation: Antibodies were purified by affinity chromatography and adsorbed to remove cross reactivity to human immunoglobulins and to other mouse Ig subclasses. The resulting antibody was conjugated with the indicated fluorochrome to provide the optimal fluorochrome to protein ratio for immunofluorescent staining. Unconjugated fluorochrome was removed by column chromatography.

Buffer: Phosphate buffered saline (PBS)

Preservative: 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: 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 human peripheral blood leukocytes (PBL) prestained with unlabeled mouse anti-human antibodies of various isotypes. From this testing it is recommended that between 10 and 2.5 µl of antibody at the recommended dilution be used per 1 x 10^6 cells in a 100 µl staining volume. Because conditions may vary, it is recommended that each investigator determine the optimal amount of antibody to be used for each application.

* TR, Texas Red®

† TC, TRI-COLOR®, PE-Cy®5

‡ 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-Cy®7, PE-Alexa Fluor 700, be protected from light during staining reactions and while awaiting analysis, e.g. cover with aluminum foil.

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For research use only. CAUTION: Not intended for human or animal therapeutic or diagnostic use.