

PRODUCT INSERT
RAT IgG2a ISOTYPE CONTROLS

| Product Code | Form | Description | Volume | Amount* | Tests | Excitation (nm) | Peak Emission (nm) |
|--------------|----------------------|-------------|--------|---------|---------|-----------------|--------------------|
| R2a00 | Purified | Rat IgG2a | 0.5 ml | 50 µg | 50 min. | N/A | N/A |
| R2a15 | Biotin | Rat IgG2a | 0.5 ml | 50 µg | 50 min. | N/A | N/A |
| R2a26 | Alexa Fluor® 405 | Rat IgG2a | 0.5 ml | 50 µg | 50 min. | 405 | 421 |
| R2a28 | Pacific Blue™ | Rat IgG2a | 0.5 ml | 50 µg | 50 min. | 405 | 455 |
| R2a30 | Pacific Orange™ | Rat IgG2a | 0.5 ml | 50 µg | 50 min. | 405 | 551 |
| R2a20 | Alexa Fluor® 488 | Rat IgG2a | 0.5 ml | 50 µg | 50 min. | 488 | 519 |
| R2a01 | FITC | Rat IgG2a | 0.5 ml | 50 µg | 50 min. | 488 | 525 |
| R2a04 | R-PE | Rat IgG2a | 0.5 ml | 50 µg | 50 min. | 488 | 575 |
| R2a17 | PE-TR† | Rat IgG2a | 0.5 ml | 50 µg | 50 min. | 488 | 615 |
| R2a22 | PE-Alexa Fluor® 610 | Rat IgG2a | 0.5 ml | 50 µg | 50 min. | 488 | 628 |
| R2a06 | TC‡ | Rat IgG2a | 0.5 ml | 50 µg | 50 min. | 488 | 670 |
| R2a18 | PE-CY5.5 | Rat IgG2a | 0.5 ml | 50 µg | 50 min. | 488 | 694 |
| R2a24 | PE-Alexa Fluor® 700 | Rat IgG2a | 0.5 ml | 50 µg | 50 min. | 488 | 723 |
| R2a12 | PE-Cy7 | Rat IgG2a | 0.5 ml | 50 µg | 50 min. | 488 | 767 |
| R2a05 | APC | Rat IgG2a | 0.5 ml | 50 µg | 50 min. | 600-650 | 660 |
| R2a21 | Alexa Fluor® 647 | Rat IgG2a | 0.5 ml | 50 µg | 50 min. | 600-650 | 668 |
| R2a19 | APC-Cy5.5 | Rat IgG2a | 0.5 ml | 50 µg | 50 min. | 600-650 | 694 |
| R2a14 | APC-Cy7 | Rat IgG2a | 0.5 ml | 50 µg | 50 min. | 600-650 | 767 |
| R2a29 | Alexa Fluor® 700 | Rat IgG2a | 0.5 ml | 50 µg | 50 min. | 630-702 | 723 |
| R2a27 | APC-Alexa Fluor® 750 | Rat IgG2a | 0.5 ml | 50 µg | 50 min. | 600-650 | 775 |

PRODUCT DESCRIPTION

Rat IgG2a isotype controls

Lot No.: See label

Expiration: See label

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: 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 with fluorochrome-conjugated products. 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

Every lot is tested by flow cytometry using freshly harvested mouse splenocytes and/or human peripheral blood lymphocytes (PBL). When using isotype controls as negative controls, it is recommended that the amount of isotype control and the testing antibody used be equivalent.

* The amount of isotype control 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.

FIX & PERM® and **COMBI-IC** reagents are produced for Invitrogen Laboratories by An Der Grub Bio Research GmbH, Austria.

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.

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