

# normal rat IgG<sub>2a</sub>-FITC: sc-2831

## BACKGROUND

Santa Cruz Biotechnology offers a wide variety of control immunoglobulin and control sera for a large selection of species, including mouse, rabbit, goat, chicken, rat, hamster, canine, guinea pig and sheep. Control immunoglobulin and immunoglobulin conjugates are useful negative controls. Normal sera is offered to be used as blocking reagents. Santa Cruz Biotechnology offers affinity purified normal immunoglobulins and immunoglobulin conjugates for use as negative controls in applications including flow cytometry, immunohistochemistry, immunofluorescence, Western Blotting and immunoprecipitation. Agarose (AC) conjugated IgGs are provided for immunoprecipitation; horseradish peroxidase (HRP) conjugates are provided for Western Blotting and immunohistochemistry; and Biotin (B) conjugates are provided for immunohistochemistry. A broad range of fluorescent conjugated controls are also available for use in flow cytometry and immunofluorescence applications. Most control immunoglobulins are available as unconjugated controls or as FITC (fluorescein isothiocyanate), PE (phycoerythrin), PE-Cy5 (phycoerythrin-Cy5), PE-Cy7 (phycoerythrin-Cy7), APC (allophycocyanin) and APC-Cy7 (allophycocyanin-Cy7) conjugates. Additional conjugates include Alexa Fluor® 488, Alexa Fluor® 647, Alexa Fluor® 405, PerCP (peridinin chlorophyll protein complex) and PerCP-Cy5.5 (peridinin chlorophyll protein complex-Cy 5.5). Isotype specific control immunoglobulins include classes such as mouse IgG<sub>1</sub>, IgG<sub>2a</sub>, IgG<sub>2b</sub>, IgG<sub>3</sub>, IgM and IgA, rat IgG<sub>1</sub>, IgG<sub>2a</sub>, IgG<sub>2b</sub> and IgM, Armenian hamster IgG, and both goat and rabbit IgG.

## SOURCE

normal rat IgG<sub>2a</sub>-FITC is an affinity purified, FITC (fluorescein) conjugated isotype control immunoglobulin from rat.

## PRODUCT

Each vial contains 200 µg rat IgG<sub>2a</sub> in 1.0 ml PBS containing 1% stabilizer protein and 0.02% sodium azide.

## APPLICATIONS

normal rat IgG<sub>2a</sub>-FITC is recommended for use as an isotype control immunoglobulin in place of a target specific primary antibody of the same isotype (rat IgG<sub>2a</sub>) by immunofluorescence, immunohistochemical staining (including paraffin-embedded sections) and flow cytometry. To be used at an assay dependent dilution.

## STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.

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## RECOMMENDED SUPPORT PRODUCTS

- CrystalCruz™ Cover Glasses, 22 x 50 mm: sc-24975
- PBS, powder: sc-24947
- Formaldehyde: sc-203049
- Hydrogen Peroxide: sc-203336
- Organo/Limonene Mount: sc-45087
- UltraCruz® Mounting Medium: sc-24941
- ImmunoHistoMount: sc-45086
- Immuno In Situ Mount: sc-45088
- Paraffin: sc-286633
- Xylenes: sc-237422
- Hematoxylin: sc-24973
- FCM Lysing solution: sc-3621
- FCM Fixation Buffer: sc-3622
- FCM Permeabilization Buffer: sc-3623
- FCM Wash Buffer: sc-3624
- Intracellular FCM System: sc-45063

## SELECT PRODUCT CITATIONS

1. Russell, J.S. and Brown, J.M. 2014. Circulating mouse Flk1<sup>+</sup>/c-Kit<sup>+</sup>/CD45<sup>-</sup> cells function as endothelial progenitors cells (EPCs) and stimulate the growth of human tumor xenografts. *Mol. Cancer* 13: 177.
2. Zhan, R., et al. 2016. Nitric oxide promotes epidermal stem cell migration via cGMP-Rho GTPase signalling. *Sci Rep.* 6: 30687.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.