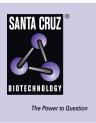
# SANTA CRUZ BIOTECHNOLOGY, INC.

# normal rat IgG<sub>2a</sub> Alexa Fluor<sup>®</sup> 546: sc-516658



# 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® 405, Alexa Fluor® 488, Alexa Fluor<sup>®</sup> 546, Alexa Fluor<sup>®</sup> 594, Alexa Fluor<sup>®</sup> 647, Alexa Fluor<sup>®</sup> 680, Alexa Fluor® 790, 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 IgG1, IgG2a, IgG2b, IgG3, IgM and IgA, rat  $IgG_1$ ,  $IgG_{2a}$ ,  $IgG_{2b}$  and IgM and Armenian hamster IgG.

# SOURCE

normal rat IgG<sub>2a</sub> Alexa Fluor<sup>®</sup> 546 is an affinity purified, AF 546 (Alexa Fluor<sup>®</sup> 546) conjugated isotype control immunoglobulin from rat.

### PRODUCT

Each vial contains 200  $\mu g$  rat  $lgG_{2a}$  in 1.0 ml PBS, 0.1% gelatin and 0.1% sodium azide.

### **APPLICATIONS**

normal rat  $IgG_{2a}$  Alexa Fluor<sup>®</sup> 546 is recommended for use as an isotype control immunoglobulin in place of a target specific primary antibody of the same isotype (rat  $IgG_{2a}$ ) by Western blotting (RGB), immunofluorescence, immunohistochemical staining (including paraffin-embedded sections) and flow cytometry. To be used at an assay dependent dilution.

### **STORAGE**

Store at 4° C, \*\*D0 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 for detailed protocols and support products.

Alexa Fluor® is a trademark of Molecular Probes, Inc., Oregon, USA

### **RECOMMENDED SUPPORT PRODUCTS**

- CrystalCruz<sup>®</sup> Cover Glasses, 22 x 50 mm, precleaned: sc-24975
- PBS (Phosphate Buffered Saline), powder, 1 packet: sc-24947
- Formaldehyde, 37% formaldehyde solution, 25 ml: sc-203049
- Hydrogen Peroxide, 30% solution, 100 ml: sc-203336
- Organo/Limonene Mount, non-toxic Permount alternative, 100 ml: sc-45087
- UltraCruz<sup>®</sup> Mounting Medium, aqueous-based, 10 ml: sc-24941
- ImmunoHistoMount, aqueous-based mounting medium, 30 ml: sc-45086
- Immuno In Situ Mount, for use with in situ hybridization, 30 ml: sc-45088
- Paraffin, for the preparation of tissue samples for staining, 500 g: sc-286633
- Xylenes, mixed isomers with ethylbenzene, 500 ml: sc-237422
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973

### **RESEARCH USE**

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