

normal mouse IgG-FITC: sc-2339

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® 546, Alexa Fluor® 594, Alexa Fluor® 647, Alexa Fluor® 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, IgG_{2a}, IgG_{2b}, IgG₃, IgM and IgA, rat IgG₁, IgG_{2a}, IgG_{2b} and IgM and Armenian hamster IgG.

SOURCE

normal mouse IgG-FITC is an affinity purified, FITC (fluorescein) conjugated isotype control immunoglobulin from mouse.

PRODUCT

Each vial contains 200 µg mouse IgG in 1.0 ml PBS containing 1% stabilizer protein and 0.02% sodium azide.

APPLICATIONS

normal mouse IgG-FITC is recommended for use as an isotype control immunoglobulin in place of a target specific primary antibody of the same isotype (mouse IgG) 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 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. Iwamori, T., et al. 2005. Aberrant development of mammary glands, but precocious expression of β-casein in transgenic females ubiquitously expressing whey acidic protein transgene. *J. Reprod. Dev.* 51: 579-592.
2. Peterson, S.J., et al. 2007. Long-term treatment with the apolipoprotein A1 mimetic peptide increases antioxidants and vascular repair in type I diabetic rats. *J. Pharmacol. Exp. Ther.* 322: 514-520.
3. Kotha, J., et al. 2009. Functional relevance of tetraspanin CD9 in vascular smooth muscle cell injury phenotypes: a novel target for the prevention of neointimal hyperplasia. *Atherosclerosis* 203: 377-386.
4. Richard, V., et al. 2013. Multiple drug resistant, tumorigenic stem-like cells in oral cancer. *Cancer Lett.* 338: 300-316.
5. Ginzburg, S., et al. 2014. Piperlongumine inhibits NF-κB activity and attenuates aggressive growth characteristics of prostate cancer cells. *Prostate* 74: 177-186.
6. Iwasaki, K., et al. 2014. Periodontal regeneration using periodontal ligament stem cell-transferred amnion. *Tissue Eng. Part A.* 20: 693-704.
7. Yu, J., et al. 2015. Pseudolaric acid B inhibits proliferation in SW579 human thyroid squamous cell carcinoma. *Mol. Med. Rep.* 12: 7195-7202.
8. Yu, J., et al. 2015. Pseudolaric acid B inhibits proliferation in SW579 human thyroid squamous cell carcinoma. *Mol. Med. Rep.* 12: 7195-7202.

RESEARCH USE

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