

# normal mouse IgG-AC: sc-2343

## 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 mouse IgG-AC is an affinity purified, AC (agarose) conjugated isotype control immunoglobulin from mouse.

## PRODUCT

Each vial contains 250 µg mouse IgG conjugated to 125 µl beads in 0.5 ml PBS with 0.02% sodium azide.

## APPLICATIONS

normal mouse IgG-AC is recommended for use as an isotype control immunoglobulin in place of a target specific primary antibody of the same isotype (mouse IgG) by immunoprecipitation. To be used at an assay dependent dilution.

## RECOMMENDED SUPPORT PRODUCTS

### A. PRIMARY SUPPORT PRODUCTS

- RIPA Lysis Buffer System sc-24948
- PBS: 1 L of 10X sc-24946
- Electrophoresis Sample Buffer, 2X sc-24945

### B. ALTERNATIVE SUPPORT PRODUCTS

- normal rabbit IgG: sc-2027
- Protein A-Agarose: sc-2001
- Protein G PLUS-Agarose: sc-2002
- Protein A/G PLUS-Agarose: sc-2003

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## STORAGE

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

## SELECT PRODUCT CITATIONS

1. Ferraris, J.D., et al. 2002. cAMP-independent role of PKA in tonicity-induced transactivation of tonicity-responsive enhancer/osmotic response element-binding protein. *Proc Natl Acad Sci U S A*. 99: 16800-16805.
2. Taherian, A., et al. 2008. A comparison of Hsp90α and Hsp90β interactions with cochaperones and substrates. *Biochem. Cell Biol.* 86: 37-45.
3. Pascreau, G., et al. 2009. Phosphorylation of p53 is regulated by TPX2-Aurora A in *Xenopus* oocytes. *J. Biol. Chem.* 284: 5497-5505.
4. Senis, Y.A., et al. 2009. Proteomic analysis of integrin αIIbβ3 outside-in signaling reveals Src-kinase-independent phosphorylation of Dok-1 and Dok-3 leading to SHIP-1 interactions. *J. Thromb. Haemost.* 7: 1718-1726.
5. Sarkari, F., et al. 2010. USP7/HAUSP promotes the sequence-specific DNA binding activity of p53. *PLoS ONE* 5: e13040.
6. Pennella, M.A., et al. 2010. Adenovirus E1B 55-kilodalton protein is a p53-SUMO1 E3 ligase that represses p53 and stimulates its nuclear export through interactions with promyelocytic leukemia nuclear bodies. *J. Virol.* 84: 12210-12225.

## RESEARCH USE

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

## PROTOCOLS

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