

# normal goat IgG: sc-3887

## 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, dog, 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, as well as biotin (B) conjugates 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 goat IgG is an affinity purified, unconjugated conjugated isotype control immunoglobulin from goat.

## PRODUCT

Each vial contains 100 tests in 2 ml of PBS, 0.1% gelatin and 0.1% sodium azide.

## APPLICATIONS

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

## RECOMMENDED SUPPORT PRODUCTS

### A. FLOW CYTOMETRY SUPPORT PRODUCTS

- 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
- PBS: 1 L of 1X: sc-362182
- Paraformaldehyde: sc-253236

### B. ALTERNATIVE SUPPORT PRODUCTS

- EDTA, Tetrasodium Salt, Ultra Pure: sc-391059
- 0.5% Trypsin-EDTA Solution 10X: sc-363354

## SELECT PRODUCT CITATIONS

1. Cohen, N., et al. 2004 . Induction of tolerance by *Porphyromonas gingivalis* on APCs: a mechanism implicated in periodontal infection. J. Dent. Res. 83: 429-433.
2. Gonzalez, R.R., et al. 2003. Leptin regulation of the interleukin-1 system in human endometrial cells. Mol. Hum. Reprod. 9: 151-158.
3. Dartt, D.A., et al. 2011. Conjunctival goblet cell secretion stimulated by leukotrienes is reduced by resolvins D1 and E1 to promote resolution of inflammation. J. Immunol. 186: 4455-4466.
4. Grellier, E., et al. 2011. A fiber-modified adenoviral vector interacts with immunoevasion molecules of the B7 family at the surface of murine leukemia cells derived from dormant tumors. Mol. Cancer. 10: 105.
5. Jabeen, R., et al. 2013. Th9 cell development requires a BATF-regulated transcriptional network. J. Clin. Invest. 11: 4641-4653.
6. Witczak, P., et al. 2014. Mast cells generate cysteinyl leukotrienes and interferon- $\beta$  as well as evince impaired IgE-dependent degranulation upon TLR7 engagement. Indian J. Exp. Biol. 52: 589-596.

## STORAGE

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

## 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.