



normal mouse IgG_{2b}: sc-3879

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 IgG₁, IgG_{2a}, IgG_{2b}, IgG₃, IgM and IgA, rat IgG₁, IgG_{2a}, IgG_{2b} and IgM, Armenian hamster IgG, and both goat and rabbit IgG.

SOURCE

normal mouse IgG_{2b} is an affinity purified, unconjugated isotype control immunoglobulin from mouse.

PRODUCT

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

APPLICATIONS

normal mouse IgG_{2b} is recommended for use as an isotype control immunoglobulin in place of a target specific primary antibody of the same isotype (mouse IgG_{2b}) by flow cytometry (0.5-1 µg per 1 x 10⁶ cells). 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.

RESEARCH USE

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

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.

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. Naito, M., et al. 2007. Identification of Lck-derived peptides applicable to anti-cancer vaccine for patients with human leukocyte antigen-A3 super-type alleles. *Br. J. Cancer.* 97: 1648-1654.
2. Inoue, H., et al. 2008 Nov-Dec. Bioimaging assessment and effect of skin wound healing using bone-marrow-derived mesenchymal stromal cells with the artificial dermis in diabetic rats. *J Biomed Opt.* 13: 064036.
3. Serra M., et al. 2009. Integrating human stem cell expansion and neuronal differentiation in bioreactors. *BMC Biotechnol.* 9: 82.
4. Wang, L., et al. 2009. Characterization of stem cell attributes in human osteosarcoma cell lines. *Cancer Biol. Ther.* 8: 543-552.