



normal mouse IgM: sc-3881

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 IgM 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 IgM is recommended for use as an isotype control immunoglobulin in place of a target specific primary antibody of the same isotype (mouse IgM) 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 or our catalog 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. Zhou, Z., et al. 2010. USF and NF-E2 cooperate to regulate the recruitment and activity of RNA polymerase II in the β-globin gene locus. *J. Biol. Chem.* 285: 15894-15905.
2. Serra M., et al. 2011. Microencapsulation technology: a powerful tool for integrating expansion and cryopreservation of human embryonic stem cells. *PLoS ONE* 6: e23212.