

normal rat IgG-HRP: sc-2750

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 rat IgG-HRP is an affinity purified, HRP (horseradish peroxidase) conjugated isotype control immunoglobulin from rat.

PRODUCT

Each vial contains 200 µg rat IgG in PBS containing 40% glycerol, 1% protein stabilizer and < 0.01% thimerosal.

APPLICATIONS

normal rat IgG-HRP is recommended for use as an isotype control immunoglobulin in place of a target specific primary antibody of the same isotype (rat IgG) by Western Blotting and immunohistochemical staining. 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.

RECOMMENDED SUPPORT PRODUCTS

A. TISSUE CULTURE CELLS

- CrystalCruz[®] Cover Glasses, 22 x 50 mm, precleaned: sc-24975
- PBS (Phosphate Buffered Saline), powder, 1 packet: sc-24947
- Formaldehyde, 37% formaldehyde solution, 25 ml: sc-203049
- Hydrogen Peroxide, 30% solution, 100 ml: sc-203336

B. FROZEN TISSUE SECTIONS

- Organo/Limonene Mount, non-toxic Permunt alternative, 100 ml: sc-45087
- UltraCruz[®] Mounting Medium, aqueous-based, 10 ml: sc-24941
- ImmunoHistoMount, aqueous-based mounting medium, 30 ml: sc-45086
- Immuno In Situ Mount, for use with *in situ* hybridization, 30 ml: sc-45088

C. FORMALIN-FIXED, PARAFFIN-EMBEDDED TISSUE SECTIONS

- Paraffin, for the preparation of tissue samples for staining, 500 g: sc-286633
- Xylenes, mixed isomers with ethylbenzene, 500 ml: sc-237422
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973

SELECT PRODUCT CITATIONS

1. Reinisch, C.M., et al. 2011. Embryonic stem cell factors undifferentiated transcription factor-1 (UFT-1) and reduced expression protein-1 (REX-1) are widely expressed in human skin and may be involved in cutaneous differentiation but not in stem cell fate determination. *Int J Exp Pathol.* 92: 326-332.

PROTOCOLS

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