

rabbit anti-goat IgG-FITC: sc-2777

BACKGROUND

Santa Cruz Biotechnology's secondary antibodies are available conjugated to either an enzyme, biotin or fluorophore for use in a variety of antibody-based applications including Western Blot, immunostaining, flow cytometry and ELISA. Secondary antibodies are commonly affinity purified against immobilized whole IgG or against antibody fragments. Santa Cruz Biotechnology offers an extensive selection of secondary antibodies optimized for immunohistochemistry and flow cytometry, and are labeled with either biotin, FITC (fluorescein isothiocyanate), Texas Red®, TRITC (tetramethyl rhodamine isothiocyanate), PE (phycoerythrin), PerCP (peridinin chlorophyll protein complex) and PerCP-Cy5.5 (peridinin chlorophyll protein complex with cyanin-5.5). Immunohistochemistry and flow cytometry secondary antibodies are specific for commonly used primary antibody species, including goat, rabbit, mouse and rat.

SOURCE

rabbit anti-goat IgG-FITC is a pre-adsorbed, affinity purified secondary antibody raised in rabbit against goat IgG and conjugated to FITC (fluorescein isothiocyanate).

PRODUCT

Each vial contains 200 µg rabbit IgG (pre-adsorbed with mouse and human IgG) in 0.5 ml of either PBS containing 0.02% sodium azide (for IF) or PBS containing 0.1% Gel and 0.1% sodium azide (for FCM).

APPLICATIONS

rabbit anti-goat IgG-FITC is recommended for detection of goat IgG by immunofluorescence staining (starting dilution: 1:100, dilution range: 1:100-1:400), immunohistochemical staining (starting dilution: 1:100, dilution range: 1:100-1:400) and flow cytometry (0.5-1 µg per 1 x 10⁶ cells).

RECOMMENDED SUPPORT PRODUCTS

A. TISSUE CULTURE CELLS

- CrystalCruz™ Cover Glasses, 22 x 50 mm, precleaned: sc-24975
- CrystalCruz™ Micro Slides 75 x 25 mm; 72 frosted sides: sc-24976
- 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 alternative to Permout, 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

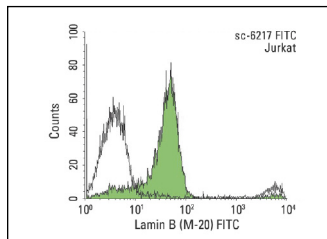
- Paraffin, for the preparation of tissue samples for staining, 500 g: sc-286633
- Xylenes, mixed isomers with ethylbenzene, 500 ml: sc-237422
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973

Texas Red® is a registered trademark of Molecular Probes (6/02).

STORAGE

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

DATA



rabbit anti-goat IgG-FITC: sc-2777. Lamin B (M-20): sc-6217. Indirect, intracellular FCM analysis of fixed and permeabilized Jurkat cells stained with Lamin B (M-20), followed by FITC-conjugated rabbit anti-goat IgG: sc-2777. Black line histogram represents the isotype control, normal goat IgG: sc-3887.

SELECT PRODUCT CITATIONS

- Schmidlin, F., et al. 2002. Protease-activated receptor 2 mediates eosinophil infiltration and hyperreactivity in allergic inflammation of the airway. *J. Immunol.* 169: 5315-5321.
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- Ramirez-Sanchez, I., et al. 2004. Expression analysis of the SG-SSPN complex in smooth muscle and endothelial cells of human umbilical cord vessels. *J. Vasc. Res.* 42: 1-7.
- Gannot, G., et al. 2005. Layered peptide arrays: high-through-put antibody screening of clinical samples. *J. Mol. Diagn.* 7: 427-436.
- Jiang, W., et al. 2007. *In vitro* derivation of functional Insulin-producing cells from human embryonic stem cells. *Cell Res.* 17: 333-344.
- Liu, L., et al. 2007. α -fetoprotein is dynamically expressed in rat pancreas during development. *Dev. Growth Differ.* 49: 669-681.
- Chochlakis, D., et al. 2009. Prevalence of *Anaplasma* sp. in goats and sheep in Cyprus. *Vector Borne Zoonotic Dis.* 9: 457-463.
- Liu, X.Y., et al. 2009. Expression and location of α -fetoprotein during rat colon development. *World J. Gastroenterol.* 15: 1738-1743.
- Dutta, A., et al. 2010. Culture of K562 human myeloid leukemia cells in presence of fibronectin expresses and secretes MMP-9 in serum-free culture medium. *Int. J. Clin. Exp. Pathol.* 3: 288-302.
- Piryaei, A., et al. 2011. Differentiation of bone marrow-derived mesenchymal stem cells into hepatocyte-like cells on nanofibers and their transplantation into a carbon tetrachloride-induced liver fibrosis model. *Stem Cell Rev.* 7: 103-118.

RESEARCH USE

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