

donkey anti-rabbit IgG-FITC: sc-2090

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

donkey anti-rabbit IgG-FITC is a pre-adsorbed, affinity purified secondary antibody raised in donkey against rabbit 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

donkey anti-rabbit IgG-FITC is recommended for detection of rabbit 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

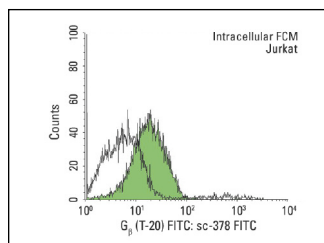
- Paraffin, for the preparation of tissue samples for staining, 500 g: sc-286633
- Xylenes, mixed isomers with ethylbenzene, 500 ml: sc-237422
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973

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



G_p (T-20): sc-378. Indirect, intracellular FCM analysis of fixed and permeabilized Jurkat cells stained with G_p (T-20), followed by FITC-conjugated donkey anti-rabbit IgG: sc-2090. Black line histogram represents the isotype control, normal rabbit IgG: sc-3888.

SELECT PRODUCT CITATIONS

- Tortoriello, D.V., et al. 2001. Human follistatin-related protein: a structural homologue of follistatin with nuclear localization. *Endocrinology* 142: 3426-3434.
- Dalmazrak, O., et al. 2007. Insulin receptor substrate-1 regulates the transformed phenotype of BT-20 human mammary cancer cells. *Cancer Res.* 67: 2124-2130.
- Cristina, C., et al. 2007. Fibroblast growth factor-2 in hyperplastic pituitaries of D2R knockout female mice. *Am. J. Physiol. Endocrinol. Metab.* 293: E1341-E1351.
- Heinzel, F.R., et al. 2008. Inducible nitric oxide synthase expression and cardiomyocyte dysfunction during sustained moderate ischemia in pigs. *Circ. Res.* 103: 1120-1127.
- Rensen, W.M., et al. 2009. RanBP1 downregulation sensitizes cancer cells to taxol in a caspase-3-dependent manner. *Oncogene* 28: 1748-1758.
- Iacopetta, D., et al. 2009. SLC37A1 Gene expression is up-regulated by epidermal growth factor in breast cancer cells. *Breast Cancer Res Treat.* 122: 755-764.
- Khakpoor, A., et al. 2009. A role for autophagolysosomes in Dengue virus 3 production in HepG2 cells. *J. Gen. Virol.* 90: 1093-1103.
- Sisci, D., et al. 2010. 17β-Estradiol enhances α₅ integrin subunit gene expression through ERα-Sp1 interaction and reduces cell motility and invasion of ERα-positive breast cancer cells. *Breast Cancer Res. Treat.* 124: 63-77.
- Lappano, R., et al. 2011. The cholesterol metabolite 25-hydroxycholesterol activates estrogen receptor α-mediated signaling in cancer cells and in cardiomyocytes. *PLoS ONE* 6: e16631.

RESEARCH USE

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