

# goat anti-mouse IgG-FITC: sc-2010

## 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<sup>®</sup>, 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

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

## PRODUCT

Each vial contains 200 µg goat IgG (pre-adsorbed with 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

goat anti-mouse IgG-FITC is recommended for detection of mouse 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 10<sup>6</sup> cells).

## RECOMMENDED SUPPORT PRODUCTS

### A. TISSUE CULTURE CELLS

- CrystalCruz<sup>™</sup> Cover Glasses, 22 x 50 mm, precleaned: sc-24975
- CrystalCruz<sup>™</sup> 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<sup>™</sup> 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

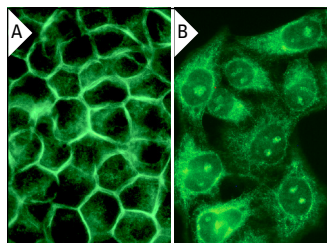
- Paraffin, for the preparation of tissue samples for staining, 500 g: sc-286633
- Xylenes, mixed isomers with ethylbenzene, 500 ml: sc-237422
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973

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

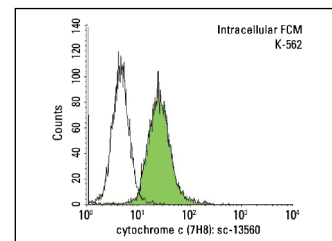
## STORAGE

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

## DATA



goat anti-mouse IgG-FITC: sc-2010. Immunofluorescence staining of methanol-fixed HeLa cells showing membrane (A) and cytoskeletal (B) localization. Antibodies tested: Annexin II (C-10): sc-28385 (A) and WIP (A-7): sc-271113 (B).



goat anti-mouse IgG-FITC: sc-2010. Indirect, intracellular FCM analysis of fixed and permeabilized K-562 cells stained with cytochrome c (7H8), followed by FITC-conjugated goat anti-mouse IgG: sc-2010. Black line histogram represents the isotype control, normal mouse IgG<sub>2b</sub>: sc-3879. Antibody tested: cytochrome c (7H8): sc-13560.

## SELECT PRODUCT CITATIONS

- de Roziere, S., et al. 2000. The loss of mdm2 induces p53 mediated apoptosis. *Oncogene* 19: 1691-1697.
- Pascucci, L., et al. 2011. Flow cytometric characterization of culture expanded multipotent mesenchymal stromal cells (MSCs) from horse adipose tissue: towards the definition of minimal stemness criteria. *Vet. Immunol. Immunopathol.* 144: 499-506.
- Mazumder Indra, D., et al. 2011. Inactivation of CHEK1 and El24 is associated with the development of invasive cervical carcinoma: clinical and prognostic implications. *Int. J. Cancer* 129: 1859-1871.
- Rubert, J., et al. 2011. Bim and Mcl-1 exert key roles in regulating JAK2V617F cell survival. *BMC Cancer* 11: 24.
- Lin, C.Y., et al. 2011. Real-time detection of β1 integrin expression on MG-63 cells using electrochemical impedance spectroscopy. *Biosens. Bioelectron.* 28: 221-226.
- Huang, Y., et al. 2011. PML-RARα enhances constitutive autophagic activity through inhibiting the Akt/mTOR pathway. *Autophagy* 7: 1132-1144.
- Karaoz, E., et al. 2012. Reduction of lesion in injured rat spinal cord and partial functional recovery of motility after bone marrow derived mesenchymal stem cell transplantation. *Turk Neurosurg.* 22: 207-217.
- Zeng, Wang., et al. 2012. Dihydroartemisinin induces autophagy and inhibits the growth of iron-loaded human myeloid leukemia K562 cells via ROS toxicity. *FEBS Open Bio.* 2: 103-112.
- Cortés, R., et al. 2012. Differences in MEF2 and NFAT transcriptional pathways according to human heart failure aetiology. *PLoS ONE* 7: e30915.

## RESEARCH USE

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