

# mouse anti-goat IgG-FITC: sc-2356

## BACKGROUND

Santa Cruz Biotechnology's high quality, well characterized monoclonal secondary antibodies are available conjugated to either an enzyme, biotin or fluorophore for use in a variety of antibody-based applications, including Western blotting, immunostaining and flow cytometry. Santa Cruz secondary antibodies are commonly affinity purified against immobilized whole IgG isotypes, including IgG<sub>1</sub>, IgG<sub>2a</sub>, IgG<sub>2b</sub>, IgG<sub>3</sub> and IgG<sub>4</sub>. Monoclonal secondary antibodies are available conjugated to HRP for Western blotting (WB) and immunohistochemistry (IHC); (CM) or Cruz Marker form of HRP conjugated secondary antibodies are suitable for use with our Cruz Marker™ molecular weight standards; FITC (fluorescein isothiocyanate), PE (phycoerythrin), R (TRITC: tetramethyl rhodamine isothiocyanate), TR (Texas Red®), PerCP (peridinin chlorophyll protein complex), PerCP-Cy5.5 (peridinin chlorophyll protein complex with cyanin-5.5), and CruzFluor™ (488, 555 and 594 for immunofluorescence (IF), immunohistochemistry (IHC) and flow cytometry (FCM); B (biotin) for immunohistochemistry (IHC); AP (alkaline phosphatase) for Western blotting (WB); and CruzFluor® 680 and 790 for near-infrared (NIR) Western blotting (WB), immunofluorescence (IF), immunohistochemistry (IHC) and flow cytometry (FCM).

## SOURCE

mouse anti-goat IgG-FITC is an affinity purified secondary antibody raised in mouse against goat IgG and conjugated to FITC (fluorescein isothiocyanate)

## PRODUCT

Each vial contains 200 µg mouse IgG in 0.5 ml of PBS containing 1% stabilizer protein and 0.02% sodium azide.

## APPLICATIONS

mouse 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 10<sup>6</sup> cells). Optimal dilution to be determined by titration.

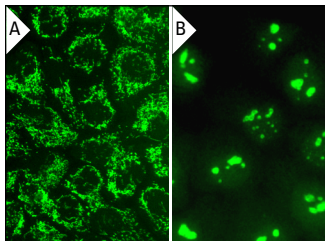
## RECOMMENDED SUPPORT PRODUCTS

- 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
- Organo/Limonene Mount, non-toxic alternative to Permount, 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
- 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

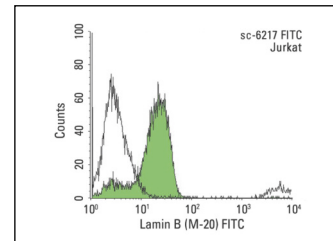
## STORAGE

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

## DATA



HSP 60 (K-19): sc-1722. Immunofluorescence staining of formalin-fixed A-431 cells showing mitochondrial localization (A). Nucleostemin (C-14): sc-46212. Immunofluorescence staining of formalin-fixed A-431 cells showing nucleolar and nuclear localization (B). Detection reagent used: mouse anti-goat IgG-FITC: sc-2356.



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 mouse anti-goat IgG: sc-2356. Black line histogram represents the isotype control, normal goat IgG: sc-3887.

## SELECT PRODUCT CITATIONS

- Kotenko, S.V., et al. 2000. Human cytomegalovirus harbors its own unique IL-10 homolog (cmvIL-10). Proc. Natl. Acad. Sci. USA 97: 1695-1700.
- Meissner, J.D., et al. 2001. Calcineurin regulates slow myosin, but not fast myosin or metabolic enzymes, during fast-to-slow transformation in rabbit skeletal muscle cell culture. J. Physiol. 533: 215-226.
- Ishibashi, M., et al. 2002. Antiinflammatory and antiarteriosclerotic effects of pioglitazone. Hypertension 40: 687-693.
- Ostad, S.N., et al. 2004. Evaluation of the teratogenicity of fennel essential oil (FEO) on the rat embryo limb buds culture. Toxicol. In Vitro 18: 623-627.
- Paull, A.C., et al. 2005. Expression of the p53 family of proteins in central and peripheral human corneal endothelial cells. Mol. Vis. 11: 328-334.
- Aishima, M., et al. 2006. Actions of ZD0947, a novel ATP-sensitive K<sup>+</sup> channel opener, on membrane currents in human detrusor myocytes. Br. J. Pharmacol. 149: 542-550.
- Meissner, J.D., et al. 2007. Activation of the β myosin heavy chain promoter by MEF-2D, MyoD, p300, and the calcineurin/NFATc1 pathway. J. Cell. Physiol. 211: 138-148.
- Kabiri, Z., et al. 2009. Evaluation of ARG protein expression in mature B cell lymphomas compared to non-neoplastic reactive lymph node. Cell. Immunol. 259: 111-116.
- Jiang, AP., et al. 2015. Human mucosal mast cells capture HIV-1 and mediate viral *trans*-infection of CD4<sup>+</sup> T cells. J. Virol. 90: 2928-2937.

## RESEARCH USE

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

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