

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 IgG₁, IgG_{2a}, IgG_{2b}, IgG₃ and IgG₄. 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 10⁶ cells). Optimal dilution to be determined by titration.

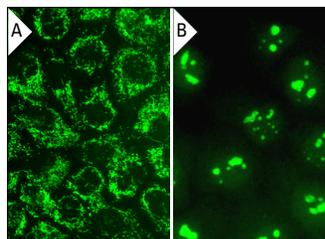
RECOMMENDED SUPPORT PRODUCTS

- 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

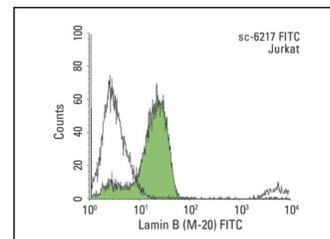
STORAGE

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⁺ 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⁺ 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).