

# mouse anti-rabbit IgG-FITC: sc-2359

## 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<sup>®</sup> molecular weight standards; FITC (fluorescein isothiocyanate), PE (phycoerythrin), R (TRITC: tetramethyl rhodamine isothiocyanate), TR (Texas Red<sup>®</sup>), PerCP (peridinin chlorophyll protein complex), PerCP-Cy5.5 (peridinin chlorophyll protein complex with cyanin-5.5), and CruzFluor<sup>®</sup> (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<sup>®</sup> 680 and 790 for near-infrared (NIR) Western blotting (WB), immunofluorescence (IF), immunohistochemistry (IHC) and flow cytometry (FCM).

## SOURCE

mouse anti-rabbit IgG-FITC is an affinity purified secondary antibody raised in mouse against rabbit 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-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 10<sup>6</sup> cells). Optimal dilution to be determined by titration.

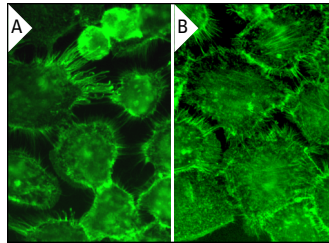
## RECOMMENDED SUPPORT PRODUCTS

- CrystalCruz<sup>®</sup> 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
- Organo/Limonene Mount, non-toxic alternative to Permount, 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
- 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

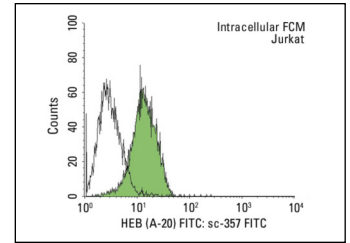
## STORAGE

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

## DATA



TDE2L (E-18): sc-138678. Immunofluorescence staining of formalin-fixed A-431 cells showing membrane localization (A). ALG11 (E-17): sc-83969. Immunofluorescence staining of formalin-fixed A-431 cells showing membrane localization (B). Detection reagent used: mouse anti-rabbit IgG-FITC: sc-2359.



HEB (A-20): sc-357. Indirect, intracellular FCM analysis of fixed and permeabilized Jurkat cells stained with HEB (A-20), followed by FITC-conjugated mouse anti-rabbit IgG: sc-2359. Black line histogram represents the isotype control, normal rabbit IgG: sc-3888.

## SELECT PRODUCT CITATIONS

- Bacqueville, D., et al. 2001. Characterization of a G protein-activated phosphoinositide 3-kinase in vascular smooth muscle cell nuclei. *J. Biol. Chem.* 276: 22170-22176.
- Boldogh, I., et al. 2005. ROS generated by pollen NADPH oxidase provide a signal that augments antigen-induced allergic airway inflammation. *J. Clin. Invest.* 116: 2169-2179.
- Böll, B., et al. 2005. The fully human anti-CD30 antibody 5F11 activates NFκB and sensitizes lymphoma cells to bortezomib-induced apoptosis. *Blood* 106: 1839-1842.
- Martin, T.A., et al. 2006. Enhanced tight junction function in human breast cancer cells by antioxidant, selenium and polyunsaturated lipid. *J. Cell. Biochem.* 101: 155-166.
- Scheibe, R.J., et al. 2006. Expression of membrane-bound carbonic anhydrases IV, IX, and XIV in the mouse heart. *J. Histochem. Cytochem.* 54: 1379-1391.
- Scheibe, R.J., et al. 2008. Carbonic anhydrases IV and IX: subcellular localization and functional role in mouse skeletal muscle. *Am. J. Physiol., Cell Physiol.* 294: C402-C412.
- Lossdörfer, S., et al. 2010. Aging affects the phenotypic characteristics of human periodontal ligament cells and the cellular response to hormonal stimulation *in vitro*. *J. Periodontol. Res.* 45: 764-771.
- Pore, S.K., et al. 2013. Hsp90-targeted miRNA-liposomal formulation for systemic antitumor effect. *Biomaterials* 34: 6804-6817.

## RESEARCH USE

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

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