SANTA CRUZ BIOTECHNOLOGY, INC.

mouse anti-rabbit IgG-PE: sc-3753

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

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_1, IgG_{2a}, IgG_{2b}, IgG_3 and IgG_4. 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-rabbit IgG-PE is an affinity purified secondary antibody raised in mouse against rabbit IgG and conjugated to PE (phycoerythrin).

PRODUCT

Each vial contains 200 µg mouse IgG in 0.5 ml of PBS containing 0.1% gelatin and 0.1% sodium azide.

APPLICATIONS

mouse anti-rabbit IgG-PE 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 10^6 cells). Optimal dilution to be determined by titration.

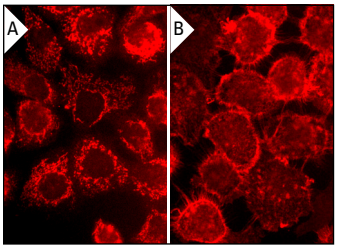
RECOMMENDED SUPPORT PRODUCTS

- 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

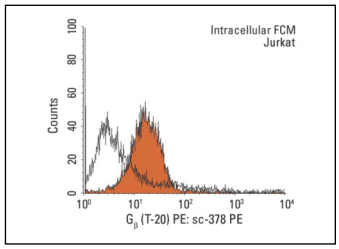
STORAGE

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

DATA



LRP130 (M-300): sc-66845. Immunofluorescence staining of formalin-fixed A-431 cells showing mitochondrial localization (**A**). C3orf39 (N-17): sc-99803. Immunofluorescence staining of formalin-fixed A-431 cells showing membrane localization. (**B**). Detection reagent used: mouse anti-rabbit IgG-PE: sc-3753.



mouse anti-rabbit IgG-PE: sc-3753. Indirect, intracellular FCM analysis of fixed and permeabilized Jurkat cells stained with G_β (T-20), followed by PE-conjugated mouse anti-rabbit IgG: sc-3753. Black line histogram represents the isotype control, normal rabbit IgG: sc-3888. Antibody tested: G_β (T-20): sc-378.

SELECT PRODUCT CITATIONS

1. 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.
2. Guo, S., et al. 2010. Endothelial progenitor cells derived from $CD34^+$ cells form cooperative vascular networks. Cell. Physiol. Biochem. 26: 679-688.
3. Sufen, G., et al. 2011. bFGF and PDGF-BB have a synergistic effect on the proliferation, migration and VEGF release of endothelial progenitor cells. Cell Biol. Int. 35: 545-551.
4. Guo, S., et al. 2012. PDGFRβ triggered by bFGF promotes the proliferation and migration of endothelial progenitor cells via p-ERK signalling. Cell Biol. Int. 36: 945-950.
5. Pore, S.K., et al. 2013. Hsp90-targeted miRNA-liposomal formulation for systemic antitumor effect. Biomaterials 34: 6804-6817.
6. Guerrero, C.A., et al. 2013. Inhibition of rotavirus ECwt infection in ICR suckling mice by N-acetylcysteine, peroxisome proliferator-activated receptor gamma agonists and cyclooxygenase-2 inhibitors. Mem. Inst. Oswaldo Cruz. 108: 741-754.
7. Pires, A.S., et al. 2016. Ascorbic acid and colon cancer: an oxidative stimulus to cell death depending on cell profile. Eur. J. Cell Biol. 95: 208-218.

RESEARCH USE

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

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.