SANTA CRUZ BIOTECHNOLOGY, INC.

mouse anti-goat IgG-PE: sc-3752

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-goat IgG-PE is an affinity purified secondary antibody raised in mouse against goat 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-goat IgG-PE 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 10^6 cells). Optimal dilution to be determined by titration.

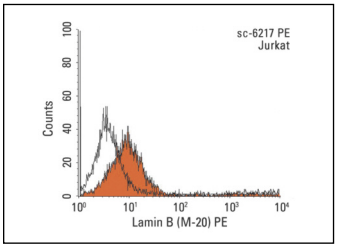
RECOMMENDED SUPPORT PRODUCTS

- 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



mouse anti-goat IgG-PE: sc-3752. Indirect, intracellular FCM analysis of fixed and permeabilized Jurkat cells stained with Lamin B (M-20), followed by PE-conjugated mouse anti-goat IgG: sc-3752. Black line histogram represents the isotype control, normal goat IgG: sc-3887. Antibody tested: Lamin B (M-20): sc-6217.

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. Yang, X., et al. 2007. Overexpression of fucosyltransferase IV in A431 cell line increases cell proliferation. Int. J. Biochem. Cell Biol. 39: 1722-1730.
3. Petrovi -Djergovi, D.M., et al. 2007. Somatostatin modulates T cells development in adult rat thymus. Regul. Pept. 142: 101-110.
4. Gallot, D., et al. 2008. Effects of maternal retinoic acid administration in a congenital diaphragmatic hernia rabbit model. Pediatr. Pulmonol. 43: 594-603.
5. Zhu, H.L., et al. 2008. Molecular and biophysical properties of voltage-gated Na^+ channels in murine vas deferens. Biophys. J. 94: 3340-3351.
6. Wu, LF., et al. 2009. Differentiation of Wharton's jelly primitive stromal cells into insulin-producing cells in comparison with bone marrow mesenchymal stem cells. Tissue Eng. Part A. 15: 2865-2873.
7. Anastasiadou, E., et al. 2009. Epstein-Barr virus infection leads to partial phenotypic reversion of terminally differentiated malignant B cells. Cancer Lett. 284: 165-174.
8. Moraveji, SF., et al. 2012. Inhibition of glycogen synthase kinase-3 promotes efficient derivation of pluripotent stem cells from neonatal mouse testis. Hum. Reprod. 27: 2312-2324.

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.