

goat anti-rabbit IgG, F(ab')₂-APC: sc-3846

BACKGROUND

Santa Cruz Biotechnology's secondary antibodies are available conjugated to either an enzyme, biotin or fluorophore for use in a variety of antibody-based applications including Western Blot, immunostaining, flow cytometry and ELISA. Secondary antibodies are commonly affinity purified against immobilized whole IgG or against antibody fragments such as the Fc or F(ab')₂ regions. Santa Cruz Biotechnology offers an extensive selection of F(ab')₂ specific secondary antibodies for immunohistochemistry and flow cytometry that are non-conjugated or labeled with either AP (alkaline phosphatase), fluorescein, biotin, FITC (fluorescein isothiocyanate), Texas Red®, TRITC (tetra-methyl rhodamine isothiocyanate), PE (phycoerythrin), PE-Cy5 (phycoerythrin with cyanin-5), PE-Cy7 (phycoerythrin with cyanin-7), APC (allophycocyanin), APC-Cy7 and (allophycocyanin with cyanin-7). F(ab')₂ secondary antibodies are specific for commonly used primary antibody species, including goat, rabbit, mouse and rat, and are recommended for reducing non-specific secondary antibody binding to Fc receptors on the cell surface.

SOURCE

goat anti-rabbit IgG, F(ab')₂-APC is an affinity purified pre-adsorbed, F(ab')₂ fragment secondary antibody raised in goat against rabbit IgG and conjugated to APC (allophycocyanin).

PRODUCT

Each vial contains 200 µg goat IgG (pre-adsorbed with human IgG) in 0.5 ml of PBS containing 0.1% gelatin and 0.1% sodium azide.

APPLICATIONS

goat anti-rabbit IgG, F(ab')₂-APC 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 10⁶ cells). Recommended for use when trying to avoid non-specific secondary antibody binding to Fc receptors on cell surfaces.

RECOMMENDED SUPPORT PRODUCTS

- CrystalCruz™ Cover Glasses, 22 x 50 mm, precleaned: sc-24975
- CrystalCruz™ Micro Slides 75 x 25 mm; 72 frosted sides: sc-24976
- 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 Permout, 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
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973
- EDTA, Disodium Salt, Dihydrate, chelating agent, 500 g: sc-29092

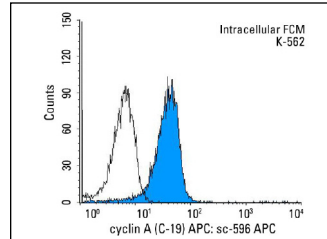
RESEARCH USE

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

STORAGE

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

DATA



goat anti-rabbit IgG F(ab')₂-APC: sc-3846. Indirect, intracellular FCM analysis of fixed and permeabilized K-562 cells stained with cyclin A (C-19), followed by APC-conjugated goat anti-rabbit IgG F(ab')₂: sc-3846. Black line histogram represents the isotype control, normal rabbit IgG: sc-2027. Antibody tested: cyclin A (C-19): sc-596.

SELECT PRODUCT CITATIONS

- Xie, L., et al. 2010. Interactive changes between macrophages and adipocytes. *Clin. Vaccine Immunol.* 17: 651-659.
- Wauters, J., et al. 2011. Flow cytometric detection of myeloperoxidase in horse neutrophils: a novel technique in equine diagnostic research. *Vet. Immunol. Immunopathol.* 144: 417-422.
- Iguchi-Hashimoto, M., et al. 2011. Overexpression of a minimal domain of calpastatin suppresses IL-6 production and Th17 development via reduced NFκB and increased STAT5 signals. *PLoS One* 6: e27020.

PROTOCOLS

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

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