

# goat anti-mouse IgG, F(ab')<sub>2</sub>-APC: sc-3818

## 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')<sub>2</sub> regions. Santa Cruz Biotechnology offers an extensive selection of F(ab')<sub>2</sub> 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<sup>®</sup>, 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')<sub>2</sub> 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-mouse IgG, F(ab')<sub>2</sub>-APC is an affinity purified pre-adsorbed, F(ab')<sub>2</sub> fragment secondary antibody raised in goat against mouse 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-mouse IgG, F(ab')<sub>2</sub>-APC is recommended for detection of mouse 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). Recommended for use when trying to avoid non-specific secondary antibody binding to Fc receptors on cell surfaces.

## RECOMMENDED SUPPORT PRODUCTS

- CrystalCruz<sup>™</sup> Cover Glasses, 22 x 50 mm, precleaned: sc-24975
- CrystalCruz<sup>™</sup> 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 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
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973
- EDTA, Disodium Salt, Dihydrate, chelating agent, 500 g: sc-29092

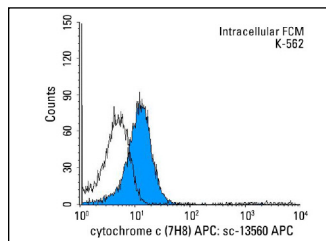
## RESEARCH USE

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-mouse IgG F(ab')<sub>2</sub>-APC: sc-3818. Indirect, intracellular FCM analysis of fixed and permeabilized K-562 cells stained with cytochrome c (7H8), followed by APC-conjugated goat anti-mouse IgG F(ab')<sub>2</sub>: sc-3818. Black line histogram represents the isotype control, normal mouse IgG: sc-2025. Antibody tested: cytochrome c (7H8): sc-13560.

## SELECT PRODUCT CITATIONS

- King, F.W., et al. 2009. Subpopulations of human embryonic stem cells with distinct tissue-specific fates can be selected from pluripotent cultures. *Stem Cells Dev.* 18: 1441-1450.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.

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