

# goat anti-mouse IgG, F(ab')<sub>2</sub>-B: sc-3795

## 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®, TRITC (tetra-methyl rhodamine isothiocyanate), PE (phycoerythrin), PE-Cy5 (phycoerythrin with cyanin-5), PE-Cy7 (phycoerythrin with cyanin-7), APC (allophycocyanin), APCCy7 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>-B is an affinity purified pre-adsorbed, F(ab')<sub>2</sub> fragment secondary antibody raised in goat against mouse IgG and conjugated to biotin.

## PRODUCT

Each vial contains 200 µg mouse IgG (pre-adsorbed with human IgG) in 0.5 ml of PBS containing 0.02% sodium azide.

## APPLICATIONS

goat anti-mouse IgG, F(ab')<sub>2</sub>-B is recommended for detection of mouse IgG by immunofluorescence staining (starting dilution: 1:100, dilution range: 1:100- 1:400) and immunohistochemical staining (starting dilution: 1:100, dilution range: 1:100-1:400). 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 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
- \_ 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.

## **SELECT PRODUCT CITATIONS**

1. De Bernardis, F., et al. 2006. Phenotypic and functional characterization of vaginal dendritic cells in a rat model of *Candida albicans* vaginitis. *Infect Immun.* 74: 4282-4294.

## **STORAGE**

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