

donkey anti-goat IgG, F(ab')₂-FITC: sc-3853

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

donkey anti-goat IgG, F(ab')₂-FITC is an affinity purified pre-adsorbed, F(ab')₂ fragment secondary antibody raised in donkey against goat IgG and conjugated to FITC (fluorescein isothiocyanate).

PRODUCT

Each vial contains 200 µg donkey IgG (pre-adsorbed with human IgG) in 0.5 ml of either PBS containing 0.02% sodium azide (for IF) or PBS containing 0.1% gel and 0.1% sodium azide (for FCM).

APPLICATIONS

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

RECOMMENDED SUPPORT PRODUCTS

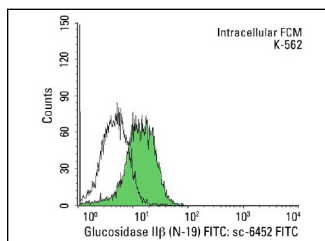
- CrystalCruz™ Cover Glasses, 22 x 50 mm, precleaned: sc-24975
- CrystalCruz™ Micro Slides 75 x 25 mm; 72 frosted sides: sc-24976
- PBS (Phosphate Buffered Saline), powder, 1 packet: sc-24947
- Formaldehyde, 37% formaldehyde solution, 25 ml: sc-203049
- Hydrogen Peroxide, 30% solution, 100 ml: sc-203336
- Organo/Limonene Mount, non-toxic alternative to 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

Texas Red® is a registered trademark of Molecular Probes (6/02).

STORAGE

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

DATA



donkey anti-goat IgG F(ab')₂-FITC: sc-3853. Indirect, intracellular FCM analysis of fixed and permeabilized K-562 cells stained with Glucosidase IIβ (N-19), followed by FITC-conjugated donkey anti-goat IgG F(ab')₂: sc-3853. Black line histogram represents the isotype control, normal goat IgG: sc-2028. Antibody tested: Glucosidase IIβ (N-19): sc-6452.

SELECT PRODUCT CITATIONS

- Barbosa, F.L., et al. 2010. Stromal interleukin-1 expression in the cornea after haze-associated injury. *Exp. Eye Res.* 91: 456-461.
- Dickie, L.J., et al. 2010. Vitamin D3 down-regulates intracellular Toll-like receptor 9 expression and Toll-like receptor 9-induced IL-6 production in human monocytes. *Rheumatology* 49: 1466-1471.

RESEARCH USE

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

PROTOCOLS

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