

goat anti-mouse IgG, F(ab')₂-FITC: sc-3699

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

PRODUCT

Each vial contains 200 µg goat 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

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

RECOMMENDED SUPPORT PRODUCTS

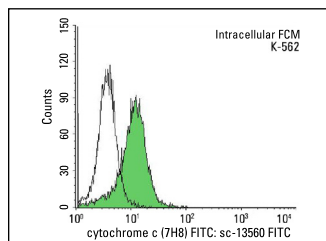
- CrystalCruz[™] Cover Glasses, 22 x 50 mm, precleaned: sc-24975
- CrystalCruz[™] Micro Slides 75 x 25 mm; 72 frosted sides: sc-24976
- PBS (Phosphate Buffered Saline), powder, 1 packet: sc-24947
- Formaldehyde, 37% formaldehyde solution, 25 ml: sc-203049
- Hydrogen Peroxide, 30% solution, 100 ml: sc-203336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



goat anti-mouse IgG F(ab')₂-FITC: sc-3699. Indirect, intracellular FCM analysis of fixed and permeabilized K-562 cells stained with cytochrome c (7H8), followed by FITC-conjugated goat anti-mouse IgG F(ab')₂: sc-3699. Black line histogram represents the isotype control, normal mouse IgG: sc-2025. Antibody tested: cytochrome c (7H8): sc-13560.

SELECT PRODUCT CITATIONS

- Guo, X., et al. 2003. Regulation of adherens junctions and epithelial paracellular permeability: a novel function for polyamines. *Am. J. Physiol. Cell Physiol.* 285: C1174-C1187.
- Cauffman, G., et al. 2006. POU5F1 isoforms show different expression patterns in human embryonic stem cells and preimplantation embryos. *Stem Cells* 24: 2685-2691.
- Chen, C., et al. 2006. c-Abl is involved in the F-actin assembly triggered by L-selectin crosslinking. *J. Biochem.* 140: 229-235.
- Zhang, S., et al. 2007. Basonuclin regulates a subset of ribosomal RNA genes in HaCaT cells. *PLoS ONE* 2: e902.
- Sakurai, M., et al. 2009. Induction of Parkinson disease-related proteins in motor neurons after transient spinal cord ischemia in rabbits. *J. Cereb. Blood Flow Metab.* 29: 752-758.
- Debeb, B.G., et al. 2009. Isolation of Oct4-expressing extraembryonic endoderm precursor cell lines. *PLoS ONE* 4: e7216.
- Stefanidakis, M., et al. 2009. Role of leukemia cell invadosome in extramedullary infiltration. *Blood* 114: 3008-3017.
- Mahaffey, C.M., et al. 2009. Multidrug-resistant protein-3 gene regulation by the transcription factor Nrf2 in human bronchial epithelial and non-small-cell lung carcinoma. *Free Radic. Biol. Med.* 46: 1650-1657.
- 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.
- Lambert, B., et al. 2012. Protein interactions of the transcription factor Hoxa1. *BMC Dev. Biol.* 12: 29.

RESEARCH USE

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