



goat anti-rabbit IgG, F(ab')₂-TRITC: sc-3841

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-TRITC is an affinity purified pre-adsorbed, F(ab')₂ fragment secondary antibody raised in goat against rabbit IgG and conjugated to Texas Red[®].

PRODUCT

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

APPLICATIONS

goat anti-rabbit IgG, F(ab')₂-TRITC is recommended for detection of rabbit 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.

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

SELECT PRODUCT CITATIONS

1. Stover, C.M., et al. 2008. Properdin plays a protective role in polymicrobial septic peritonitis. *J. Immunol.* 180: 3313-3318.
2. Shi, J., et al. 2008. Increased dosage of Dyrk1A alters alternative splicing factor (ASF)-regulated alternative splicing of τ in Down syndrome. *J. Biol. Chem.* 283: 28660-28669.
3. Jeon, J.H., et al. 2008. Insulin-like growth factor-1 attenuates cisplatin-induced γ H2AX formation and DNA double-strand breaks repair pathway in non-small cell lung cancer. *Cancer Lett.* 272: 232-241.
4. Zhang, F., et al. 2009. TRP-ML1 functions as a lysosomal NAADP-sensitive Ca²⁺ release channel in coronary arterial myocytes. *J. Cell. Mol. Med.* 13: 3174-3185.
5. Jo, H.Y., et al. 2009. Co-localization of inducible nitric oxide synthase and phosphorylated Akt in the lesional skins of patients with melasma. *J. Dermatol.* 36: 10-16.
6. Stefanidakis, M., et al. 2009. Role of leukemia cell invadosome in extramedullary infiltration. *Blood* 114: 3008-3017.
7. Wang, W., et al. 2010. Expression of the Lycat gene in the mouse cardiovascular and female reproductive systems. *Dev. Dyn.* 239: 1827-1837.
8. Chao, Y., et al. 2010. Prostaglandin E2 promotes hematopoietic development from human embryonic stem cells. *Front. Biol.* 5: 445-454.
9. Hong, M.Y., et al. 2012. Effect of c-Jun NH₂-terminal kinase-mediated p53 expression on neuron autophagy following traumatic brain injury in rats. *Chin. Med. J.* 125: 2019-2024.

STORAGE

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

PROTOCOLS

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