

bovine anti-rabbit IgG-FITC: sc-2365

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. Santa Cruz Biotechnology offers an extensive selection of secondary antibodies optimized for immunohistochemistry and flow cytometry, and are labeled with either biotin, FITC (fluorescein isothiocyanate), Texas Red®, TRITC (tetramethyl rhodamine isothiocyanate), PE (phycoerythrin), PerCP (peridinin chlorophyll protein complex) and PerCP-Cy5.5 (peridinin chlorophyll protein complex with cyanin-5.5). Immunohistochemistry and flow cytometry secondary antibodies are specific for commonly used primary antibody species, including goat, rabbit, mouse and rat.

SOURCE

bovine anti-rabbit IgG-FITC is a pre-adsorbed, affinity purified secondary antibody raised in bovine against rabbit IgG and conjugated to FITC (fluorescein isothiocyanate).

PRODUCT

Each vial contains 200 µg bovine IgG (pre-adsorbed with mouse and 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

bovine anti-rabbit IgG-FITC is recommended for detection of rabbit 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 SUPPORT PRODUCTS

A. TISSUE CULTURE CELLS

- CrystalCruz™ Cover Glasses, 22 x 50 mm, precleaned: sc-24975
- CrystalCruz™ Micro Slides 75 x 25 mm; 72 frosted sides: sc-24946
- 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

B. FROZEN TISSUE SECTIONS

- 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

C. FORMALIN-FIXED, PARAFFIN-EMBEDDED TISSUE SECTIONS

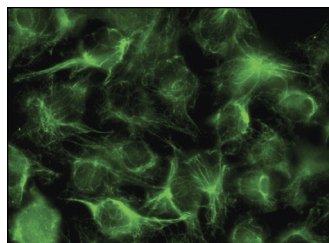
- Paraffin, for the preparation of tissue samples for staining, 500 g: sc-286633
- Xylenes, mixed isomers with ethylbenzene, 500 ml: sc-237422
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973

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

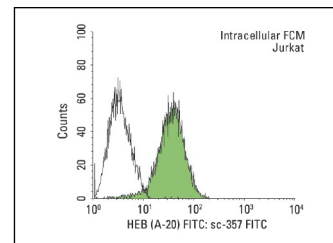
STORAGE

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

DATA



bovine anti-rabbit IgG-FITC: sc-2365. Immunofluorescence staining of methanol-fixed HeLa cells showing cytoplasmic localization. Antibody tested: TMEM126A (S-13): sc-135531.



HEB (A-20): sc-357. Indirect, intracellular FCM analysis of fixed and permeabilized Jurkat cells stained with HEB (A-20), followed by FITC-conjugated bovine anti-rabbit IgG: sc-2365. Black line histogram represents the isotype control, normal rabbit IgG: sc-3888.

SELECT PRODUCT CITATIONS

1. Papaiahgari, S., et al. 2004. NADPH oxidase and ERK signaling regulates hyperoxia-induced Nrf2-ARE transcriptional response in pulmonary epithelial cells. *J. Biol. Chem.* 279: 42302-42312.
2. Lisi, S., et al. 2005. Infection with *Leishmania infantum* inhibits actinomycin D-induced apoptosis of human monocytic cell line U-937. *J. Eukaryot. Microbiol.* 52: 211-217.
3. Liu, W., et al. 2006. Induction of tumor arrest and differentiation with prolonged survival by intermittent hypoxia in a mouse model of acute myeloid leukemia. *Blood* 107: 698-707.
4. Sisto, M., et al. 2006. Autoantibodies from Sjögren's syndrome induce activation of both the intrinsic and extrinsic apoptotic pathways in human salivary gland cell line A-253. *J. Autoimmun.* 27: 38-49.
5. Miskolci, V., et al. 2006. TNFα release from peripheral blood leukocytes depends on a CRM1-mediated nuclear export. *Biochem. Biophys. Res. Commun.* 351: 354-360.
6. Jia, Y., et al. 2009. Erythropoietin signaling promotes transplanted progenitor cell survival. *FASEB J.* 23: 3089-3099.
7. Nur, Z., et al. 2010. Effects of different cryoprotective agents on ram sperm morphology and DNA integrity. *Theriogenology* 73: 1267-1275.
8. Zhao, X.Y., et al. 2011. Synergistic induction of galectin-1 by CCAAT/enhancer binding protein α and hypoxia-inducible factor 1α and its role in differentiation of acute myeloid leukemic cells. *J. Biol. Chem.* 286: 36808-36819.
9. Luo, C.L., et al. 2011. Autophagy is involved in traumatic brain injury-induced cell death and contributes to functional outcome deficits in mice. *Neuroscience* 184: 54-63.

RESEARCH USE

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