

# bovine anti-mouse IgG-FITC: sc-2366

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

## PRODUCT

Each vial contains 200 µg bovine 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

bovine anti-mouse IgG-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 10<sup>6</sup> 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-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

### B. FROZEN TISSUE SECTIONS

- Organo/Limonene Mount, non-toxic alternative to Permout, 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

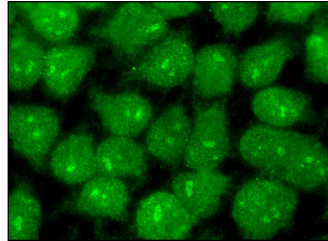
- Paraffin, for the preparation of tissue samples for staining, 500 g: sc-286633
- Xylenes, mixed isomers with ethylbenzene, 500 ml: sc-237422
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973

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

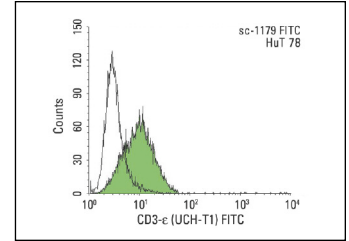
## STORAGE

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

## DATA



bovine anti-mouse IgG-FITC: sc-2366. Immunofluorescence staining of methanol-fixed HeLa cells showing nuclear and cytoplasmic localization. Antibody tested: ENDOG (B-2): sc-365359.



bovine anti-mouse IgG-FITC: sc-2366. Indirect FCM analysis of HuT 78 cells stained with CD3-ε (UCH-T1), followed by FITC-conjugated bovine anti-mouse IgG: sc-2366. Black line histogram represents the isotype control, normal mouse IgG<sub>1</sub>: sc-3877. Antibody tested: CD3-ε (UCH-T1): sc-1179.

## SELECT PRODUCT CITATIONS

- Xue, L., et al. 2003. Wild-type p53 regulates human ribonucleotide reductase by protein-protein interaction with p53R2 as well as hRRM2 subunits. *Cancer Res.* 63: 980-986.
- Martin, T.A., et al. 2006. Enhanced tight junction function in human breast cancer cells by antioxidant, selenium and polyunsaturated lipid. *J. Cell. Biochem.* 101: 155-166.
- Yang, Y., et al. 2006. Transforming growth factor-β1 induces epithelial-to-mesenchymal transition and apoptosis via a cell cycle-dependent mechanism. *Oncogene* 25: 7235-7244.
- Chuang, H.C., et al. 2007. Epstein-Barr virus (EBV) latent membrane protein-1 down-regulates tumor necrosis factor-α (TNF-α) receptor-1 and confers resistance to TNF-α-induced apoptosis in T cells: implication for the progression to T-cell lymphoma in EBV-associated hemophagocytic syndrome. *Am. J. Pathol.* 170: 1607-1617.
- Johnson, S.S., et al. 2007. Mammalian Maf1 is a negative regulator of transcription by all three nuclear RNA polymerases. *Mol. Cell* 26: 367-379.
- Chen, X., et al. 2009. Low concentration of GA activates a preconditioning response in HepG2 cells during oxidative stress-roles of Hsp90 and vimentin. *Cell Stress Chaperones* 14: 381-389.
- Han, X., et al. 2011. InlB-mediated *Listeria monocytogenes* internalization requires a balanced phospholipase D activity maintained through phosphocofillin. *Mol. Microbiol.* 81: 860-880.

## RESEARCH USE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.