

# goat anti-mouse IgG<sub>1</sub>-R: sc-2084

## 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 isotype-specific secondary antibodies for immunohistochemistry and flow cytometry that specifically detect mouse immunoglobulin classes such as IgG<sub>1</sub>, IgG<sub>2a</sub>, IgG<sub>2b</sub>, IgG<sub>3</sub>, IgM and IgA. Isotype-specific secondary antibodies are available conjugated to either biotin, FITC (fluorescein isothiocyanate), Texas Red<sup>®</sup>, TRITC (tetramethyl rhodamine iso-thiocyanate), PE (phycoerythrin), PerCP (peridinin chlorophyll protein complex) and PerCP-Cy5.5 (peridinin chlorophyll protein complex with cyanin-5.5).

## SOURCE

goat anti-mouse IgG<sub>1</sub>-R is a pre-adsorbed, affinity purified secondary antibody raised in goat against mouse IgG<sub>1</sub> and conjugated to rhodamine.

## PRODUCT

Each vial contains 200 µg mouse IgG<sub>1</sub> (pre-adsorbed with human IgG) in 0.5 ml of PBS containing 0.02% sodium azide.

## APPLICATIONS

goat anti-mouse IgG<sub>1</sub>-R is recommended for detection of mouse IgG<sub>1</sub> 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 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 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

## STORAGE

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

## SELECT PRODUCT CITATIONS

1. Hermann, A., et al. 2002. CD40 ligand (CD40L) does not stimulate proliferation of vascular smooth muscle cells. *Eur. J. Cell Biol.* 81: 213-221.
2. Jackson, W.T., et al. 2005. Subversion of cellular autophagosomal machinery by RNA viruses. *PLoS Biol.* 3: e156.
3. Cun, W., et al. 2006. Structural and functional characterization of herpes simplex virus 1 immediate-early protein infected-cell protein 22. *J. Biochem.* 140: 67-73.
4. Coppock, H.A., et al. 2007. Cyclin-dependent kinase inhibitors and basement membrane interact to regulate breast epithelial cell differentiation and acinar morphogenesis. *Cell Prolif.* 40: 721-740.
5. Taylor, M.P., et al. 2009. Role of microtubules in extracellular release of poliovirus. *J. Virol.* 83: 6599-6609.
6. Langenbacher, A.D., et al. 2011. The PAF1 complex differentially regulates cardiomyocyte specification. *Dev. Biol.* 353: 19-28.

## 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.

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