

# mouse anti-goat IgG-TR: sc-3916

## BACKGROUND

Santa Cruz Biotechnology's high quality, well characterized monoclonal secondary antibodies are available conjugated to either an enzyme, biotin or fluorophore for use in a variety of antibody-based applications, including Western blotting, immunostaining and flow cytometry. Santa Cruz secondary antibodies are commonly affinity purified against immobilized whole IgG isotypes, including IgG<sub>1</sub>, IgG<sub>2a</sub>, IgG<sub>2b</sub>, IgG<sub>3</sub> and IgG<sub>4</sub>. Monoclonal secondary antibodies are available conjugated to HRP for Western blotting (WB) and immunohistochemistry (IHC); (CM) or Cruz Marker form of HRP conjugated secondary antibodies are suitable for use with our Cruz Marker™ molecular weight standards; FITC (fluorescein isothiocyanate), PE (phycoerythrin), R (TRITC: tetramethyl rhodamine isothiocyanate), TR (Texas Red<sup>®</sup>), PerCP (peridinin chlorophyll protein complex), PerCP-Cy5.5 (peridinin chlorophyll protein complex with cyanin-5.5), and CruzFluor<sup>®</sup> (488, 555 and 594) for immunofluorescence (IF), immunohistochemistry (IHC) and flow cytometry (FCM); B (biotin) for immunohistochemistry (IHC); AP (alkaline phosphatase) for Western blotting (WB); and CruzFluor<sup>®</sup> 680 and 790 for near-infrared (NIR) Western blotting (WB), immunofluorescence (IF), immunohistochemistry (IHC) and flow cytometry (FCM).

## SOURCE

mouse anti-goat IgG-TR is an affinity purified secondary antibody raised in mouse against goat IgG and conjugated to Texas Red<sup>®</sup> (TR).

## PRODUCT

Each vial contains 200 µg mouse IgG in 0.5 ml of PBS containing 1% stabilizer protein and 0.02% sodium azide.

## APPLICATIONS

mouse anti-goat IgG-TR is recommended for detection of goat 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). Optimal dilution to be determined by titration.

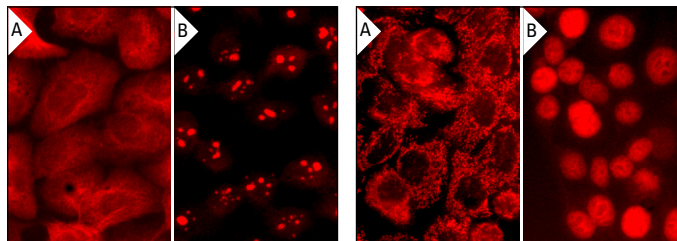
## RECOMMENDED SUPPORT PRODUCTS

- CrystalCruz<sup>®</sup> Cover Glasses, 22 x 50 mm, precleaned: sc-24975
- 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<sup>®</sup> 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
- 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.

## DATA



MAP-4 (K-13): sc-46385. Immunofluorescence staining of formalin-fixed A-431 cells showing cytoplasmic and membrane localization (A). Nucleostemin (C-14): sc-46212. Immunofluorescence staining of formalin-fixed A-431 cells showing nucleolar and nuclear localization (B). Detection reagent used: mouse anti-goat IgG-TR: sc-3916.

HSP 60 (K-19): sc-1722. Immunofluorescence staining of formalin-fixed A-431 cells showing mitochondrial localization (A). Histone cluster 1 H1B (N-15): sc-247158. Immunofluorescence detection of Histone cluster 1 H1B in formalin-fixed HeLa cells showing nuclear localization (B). Detection reagent used: mouse anti-goat IgG-TR: sc-3916.

## SELECT PRODUCT CITATIONS

- Jha, S.S., et al. 2010. Virulence-related *Mycobacterium avium subsp hominissuis* MAV\_2928 gene is associated with vacuole remodeling in macrophages. BMC Microbiol. 10: 100.
- Yang, Y., et al. 2013. Cannabinoid receptor 1 suppresses transient receptor potential vanilloid 1-induced inflammatory responses to corneal injury. Cell. Signal. 25: 501-511.
- Garg, A. and Wu, L.P. 2014. *Drosophila* Rab14 mediates phagocytosis in the immune response to *Staphylococcus aureus*. Cell. Microbiol. 16: 296-310.

## 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) for detailed protocols and support products.

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