

# goat anti-rat IgG, F(ab')<sub>2</sub>-FITC: sc-3825

## 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')<sub>2</sub> regions. Santa Cruz Biotechnology offers an extensive selection of F(ab')<sub>2</sub> 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<sup>®</sup>, 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')<sub>2</sub> 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-rat IgG, F(ab')<sub>2</sub>-FITC is an affinity purified pre-adsorbed, F(ab')<sub>2</sub> fragment secondary antibody raised in goat against rat IgG and conjugated to FITC (fluorescein isothiocyanate).

## PRODUCT

Each vial contains 200 µg goat 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

goat anti-rat IgG, F(ab')<sub>2</sub>-FITC is recommended for detection of rat 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 for use when trying to avoid non-specific secondary antibody binding to Fc receptors on cell surfaces.

## RECOMMENDED SUPPORT PRODUCTS

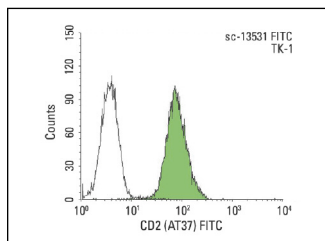
- CrystalCruz<sup>™</sup> Cover Glasses, 22 x 50 mm, precleaned: sc-24975
- CrystalCruz<sup>™</sup> Micro Slides 75 x 25 mm; 72 frosted sides: sc-24976
- PBS (Phosphate Buffered Saline), powder, 1 packet: sc-24947
- Formaldehyde, 37% formaldehyde solution, 25 ml: sc-203049
- Hydrogen Peroxide, 30% solution, 100 ml: sc-203336
- Organo/Limonene Mount, non-toxic alternative to Permount, 100 ml: sc-45087
- UltraCruz<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
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973
- EDTA, Disodium Salt, Dihydrate, chelating agent, 500 g: sc-29092

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

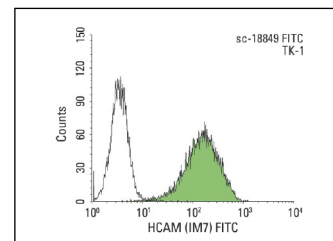
## STORAGE

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

## DATA



goat anti-rat IgG F(ab')<sub>2</sub>-FITC: sc-3825. Indirect FCM analysis of TK-1 cells stained with CD2 (AT37), followed by FITC-conjugated goat anti-rat IgG F(ab')<sub>2</sub>: sc-3825. Black line histogram represents the isotype control, normal rat IgG<sub>2a</sub>: sc-3883. Antibody tested: CD2 (AT37): sc-13531.



goat anti-rat IgG F(ab')<sub>2</sub>-FITC: sc-3825. Indirect FCM analysis of TK-1 cells stained with HCAM (IM7), followed by FITC-conjugated goat anti-rat IgG F(ab')<sub>2</sub>: sc-3825. Black line histogram represents the isotype control, normal rat IgG<sub>2b</sub>: sc-3884. Antibody tested: HCAM (IM7): sc-18849.

## SELECT PRODUCT CITATIONS

- Davis, W.G., et al. 2007. Interaction between the cellular protein eEF1A and the 3'-terminal stem-loop of West Nile virus genomic RNA facilitates viral minus-strand RNA synthesis. *J. Virol.* 81: 10172-10187.

## 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.