

goat anti-rat IgG, F(ab')₂-PE-Cy7: sc-3831

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')₂ regions. Santa Cruz Biotechnology offers an extensive selection of F(ab')₂ 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[®], 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')₂ 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')₂-PE-Cy7 is an affinity purified pre-adsorbed, F(ab')₂ fragment secondary antibody raised in goat against rat IgG and conjugated to PE-Cy7 (phycoerythrin with cyanin-7).

PRODUCT

Each vial contains 200 µg goat IgG (pre-adsorbed with human IgG) in 0.5 ml of PBS containing 0.1% gelatin and 0.1% sodium azide.

APPLICATIONS

goat anti-rat IgG, F(ab')₂-PE-Cy7 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 10⁶ cells). Recommended for use when trying to avoid non-specific secondary antibody binding to Fc receptors on cell surfaces.

RECOMMENDED SUPPORT PRODUCTS

- 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
- Organo/Limonene Mount, non-toxic alternative to PermMount, 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
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973
- EDTA, Disodium Salt, Dihydrate, chelating agent, 500 g: sc-29092

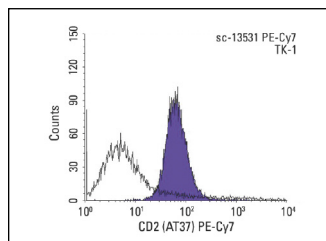
RESEARCH USE

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

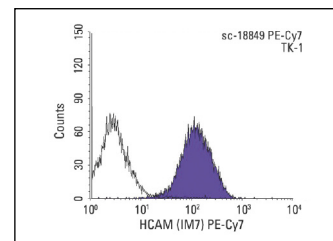
STORAGE

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')₂-PE-Cy7: sc-3831. Indirect FCM analysis of TK-1 cells stained with CD2 (AT37), followed by PE-Cy7-conjugated goat anti-rat IgG F(ab')₂: sc-3831. Black line histogram represents the isotype control, normal rat IgG_{2a}: sc-3883. Antibody tested: CD2 (AT37): sc-13531.



goat anti-rat IgG F(ab')₂-PE-Cy7: sc-3831. Indirect FCM analysis of TK-1 cells stained with HCAM (IM7), followed by PE-Cy7-conjugated goat anti-rat IgG F(ab')₂: sc-3831. Black line histogram represents the isotype control, normal rat IgG_{2b}: sc-3884. Antibody tested: HCAM (IM7): sc-18849.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

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