

goat anti-rat IgG-PerCP-Cy5.5: sc-45100

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

goat anti-rat IgG-PerCP-Cy5.5 is a pre-adsorbed, affinity purified secondary antibody raised in goat against rat IgG and conjugated to PerCP-Cy5.5 (peridinin chlorophyll protein complex with cyanin-5.5).

PRODUCT

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

APPLICATIONS

goat anti-rat IgG-PerCP-Cy5.5 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 SECONDARY REAGENTS

A. TISSUE CULTURE CELLS

- CrystalCruz[™] Cover Glasses, 22 x 50 mm: sc-24975
- CrystalCruz[™] Micro Slides 75 x 25 mm; frosted sides: sc-24976
- PBS, powder: sc-24947
- Formaldehyde: sc-203049
- Hydrogen Peroxide: sc-203336

B. FROZEN TISSUE SECTIONS

- Organo/Limonene Mount: sc-45087
- UltraCruz[™] Mounting Medium: sc-24941
- ImmunoHistoMount: sc-45086
- Immuno In Situ Mount: sc-45088

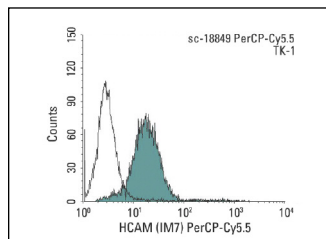
C. FORMALIN-FIXED, PARAFFIN-EMBEDDED TISSUE SECTIONS

- Paraffin: sc-286633
- Xylenes: sc-237422
- Hematoxylin: sc-24973

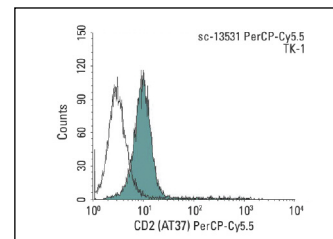
STORAGE

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

DATA



goat anti-rat IgG-PerCP-Cy5.5: sc-45100. Indirect FCM analysis of TK-1 cells stained with HCAM (IM7), followed by PerCP-Cy5.5-conjugated goat anti-rat IgG: sc-45100. Black line histogram represents the isotype control, normal rat IgG_{2b}: sc-3884. Antibody tested: HCAM (IM7): sc-18849.



goat anti-rat IgG-PerCP-Cy5.5: sc-45100. Indirect FCM analysis of TK-1 cells stained with CD2 (AT37), followed by PerCP-Cy5.5-conjugated goat anti-rat IgG: sc-45100. Black line histogram represents the isotype control, normal rat IgG_{2a}: sc-3883. Antibody tested: CD2 (AT37): sc-13531.

RESEARCH USE

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

PROTOCOLS

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