

# bovine anti-mouse IgG-PE: sc-3749

## 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<sup>®</sup>, TRITC (tetramethyl rhodamine isothiocyanate), 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

bovine anti-mouse IgG-PE is a pre-adsorbed, affinity purified secondary antibody raised in bovine against mouse IgG and conjugated to PE (phycoerythrin).

## PRODUCT

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

## APPLICATIONS

bovine anti-mouse IgG-PE is recommended for detection of mouse 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 SUPPORT PRODUCTS

### A. TISSUE CULTURE CELLS

- 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

### B. FROZEN TISSUE SECTIONS

- 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

### 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

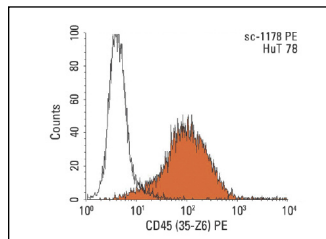
## RESEARCH USE

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

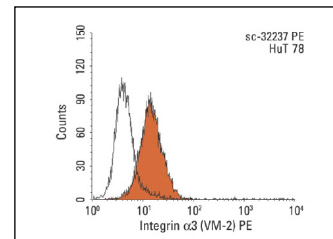
## STORAGE

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

## DATA



bovine anti-mouse IgG-PE: sc-3749. Indirect FCM analysis of HuT 78 cells stained with CD45 (35-Z6), followed by PE-conjugated bovine anti-mouse IgG: sc-3749. Black line histogram represents the isotype control, normal mouse IgG<sub>1</sub>: 3877. Antibody tested: CD45 (35-Z6): sc-1178.



bovine anti-mouse IgG-PE: sc-3749. Indirect FCM analysis of HuT 78 cells stained with Integrin α3 (VM-2), followed by PE-conjugated bovine anti-mouse IgG: sc-3749. Black line histogram represents the isotype control, normal mouse IgG<sub>1</sub>: 3877. Antibody tested: Integrin α3 (VM-2): sc-32237.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.

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