SANTA CRUZ BIOTECHNOLOGY, INC.

m-IgG$_1$ BP-FITC: sc-533659

BACKGROUND

Mouse IgG$_1$ binding protein (IgG$_1$ BP) conjugated to fluorescein isothicyanate (FITC) is a strongly recommended alternative to conventional goat/rabbit anti-mouse IgG secondary antibodies for immunofluorescence (IF) and flow cytometry (FCM) signal enhancement. Mouse IgG$_1$ binding protein is a highly specific reagent that provides strong signal with minimal background and virtually complete elimination of lot to lot variation associated with conventionally generated secondary antibodies. Mouse IgG$_1$ binding protein (m-IgG$_1$ BP) is suitable for binding to most, but not all, mouse IgG$_1$ immunoglobulins, comprising approximately 55% of SCBT's mouse monoclonal antibodies; not suitable for use with mouse monoclonal IgG$_{2a}$, IgG$_{2b}$, IgG$_3$, IgM, IgA and IgE antibodies. It may slightly cross react with mouse IgG$_{2b}$ or goat IgG antibodies. Not cross reactive with human, rat or rabbit IgG antibodies.

SOURCE

m-IgG$_1$ BP-FITC is a purified recombinant mouse IgG$_1$ binding protein conjugated to fluorescein isothiocyanate (FITC).

PRODUCT

Each vial contains 100 µg mouse IgG$_1$ binding protein-FITC in 0.5 ml of PBS containing 0.1% gelatin and 0.1% sodium azide.

APPLICATIONS

m-IgG$_1$ BP-FITC is recommended for detection of mouse IgG$_1$ by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:200) and flow cytometry (0.5-1 µg per 1 x 10^6 cells). Optimal dilution to be determined by titration.

FITC excitation/emission spectrum peak wavelengths: 495 nm/519 nm

RECOMMENDED SUPPORT PRODUCTS

- CrystalCruz® 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
- FCM Lysing solution: sc-3621
- FCM Fixation Buffer: sc-3622
- FCM Permeabilization Buffer: sc-3623
- FCM Wash Buffer: sc-3624
- Intracellular FCM System: sc-45063

STORAGE

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

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.