



# m-IgG Fc BP-FITC: sc-533651

## BACKGROUND

Mouse IgG Fc binding protein (m-IgG Fc BP) conjugated to fluorescein isothiocyanate (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 Fc 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 Fc binding protein (m-IgG Fc BP) is suitable for binding to the Fc region of most, but not all, mouse IgG<sub>1</sub>, IgG<sub>2a</sub> and IgG<sub>2b</sub> immunoglobulins, and to a lesser extent to mouse IgG<sub>3</sub>; not suitable for use with mouse monoclonal IgM, IgA and IgE. Not cross reactive with human, rat, rabbit and goat IgG antibodies.

## SOURCE

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

## PRODUCT

Each vial contains 50 µg mouse IgG Fc binding protein-FITC in 0.5 ml of PBS containing 0.1% gelatin and 0.1% sodium azide.

## APPLICATIONS

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

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

## RECOMMENDED SUPPORT PRODUCTS

- CrystalCruz<sup>®</sup> 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](http://www.scbt.com) or our catalog for detailed protocols and support products.