



## m-IgG $\lambda$ BP-FITC: sc-516185

### BACKGROUND

Mouse IgG $\lambda$  light chain binding protein is a strongly recommended alternative to conventional anti-mouse IgG secondary antibodies for immunofluorescence (IF) and flow cytometry (FCM) signal enhancement. Mouse IgG $\lambda$  light chain binding protein is a highly specific detection 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 $\lambda$  light chain binding protein (m-IgG $\lambda$  BP) conjugated to fluorescein isothiocyanate (FITC) is suitable for binding to mouse IgG $\lambda$  light chain immunoglobulins; not suitable for use with mouse monoclonal IgG $\kappa$  light chain primary antibodies. Fluorescein isothiocyanate (FITC) is a green fluorophore that is very popular for use in microscopy and flow cytometry research applications.

### SOURCE

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

### PRODUCT

Each vial contains 200  $\mu$ g mouse IgG $\lambda$  binding protein-FITC in 0.5 ml of PBS containing 0.1% gelatin and 0.1% sodium azide.

### APPLICATIONS

m-IgG $\lambda$  BP-FITC is recommended for detection of mouse IgG $\lambda$  light chain by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:200) and flow cytometry (0.5-1  $\mu$ g per  $1 \times 10^6$  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.