

# m-IgGκ BP-CFL 405: sc-516175

## BACKGROUND

Mouse IgGκ light chain binding protein is a strongly recommended alternative to conventional goat/rabbit anti-mouse IgG secondary antibodies for immunofluorescence (IF) and flow cytometry (FCM) signal enhancement. Mouse IgGκ light chain 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 IgGκ light chain binding protein (m-IgGκ BP) conjugated to CruzFluor™ 405 (CFL 405) is suitable for binding to mouse IgGκ light chain immunoglobulins, comprising a vast majority of mouse monoclonal primary antibodies; not suitable for use with mouse monoclonal IgGλ light chain primary antibodies. CruzFluor™ 405 is a blue fluorescent dye that is an excellent substitute for AlexaFluor® 405.

## SOURCE

m-IgGκ BP-CFL 405 is a purified recombinant mouse IgGκ light chain binding protein conjugated to CruzFluor™ 405 (CFL 405).

## PRODUCT

Each vial contains 200 µg mouse IgGκ binding protein-CFL 405 in 0.5 ml of PBS containing 0.1% gelatin and 0.1% sodium azide.

## APPLICATIONS

m-IgGκ BP-CFL 405 is recommended for detection of mouse IgGκ light chain 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.

## 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

## 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.

## PROTOCOLS

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

## CRUZFLUOR™ SPECTRAL PROPERTIES

PRODUCT	CAT. #	EXCITATION MINIMUM	EXCITATION MAXIMUM
m-IgGκ BP-CFL 488	sc-516175	495 nm	519 nm
m-IgGλ BP-CFL 488	sc-516190		
m-IgGκ BP-CFL 555	sc-516177	555 nm	565 nm
m-IgGλ BP-CFL 555	sc-516191		
m-IgGκ BP-CFL 594	sc-516178	590 nm	617 nm
m-IgGλ BP-CFL 594	sc-516192		
m-IgGκ BP-CFL 680	sc-516180	679 nm	702 nm
m-IgGλ BP-CFL 680	sc-516194		
m-IgGκ BP-CFL 790	sc-516181	782 nm	805 nm
m-IgGλ BP-CFL 790	sc-516195		