

m-IgG Fc BP-CFL 555: sc-533654

BACKGROUND

Mouse IgG Fc binding protein (m-IgG Fc BP) conjugated to CruzFluor™ 555 (CFL 555) is a strongly recommended alternative to conventional goat/rabbit anti-mouse IgG secondary antibodies for anti-mouse IgG secondary antibodies for RGB Western Blotting (WB), immunofluorescence (IF) and flow cytometry (FCM) signal enhancement. CruzFluor™ 555 (CFL 555) is an orange fluorescent dye that is an excellent substitute for AlexFluor® 555, offering comparable photostability and the ability to resist protein quenching. Suitable for use with RGB imaging systems, such as Invitrogen/iBright and other comparable systems. 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 IgG₁, IgG_{2a} and IgG_{2b} immunoglobulins, and to a lesser extent to mouse IgG₃; 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-CFL 555 is a purified recombinant mouse IgG Fc binding protein conjugated to CruzFluor™ 555 (CFL 555).

PRODUCT

Each vial contains 50 µg mouse IgG Fc binding protein-CFL 555 in 0.5 ml of PBS containing 0.1% gelatin and 0.1% sodium azide.

APPLICATIONS

m-IgG Fc BP-CFL 555 is recommended for detection of mouse IgG Fc by RGB Western Blotting (starting dilution: 1:1000, dilution range: 1:500-1:2000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:200) and flow cytometry (0.5-1 µg per 1 x 10⁶ 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

PROTOCOLS

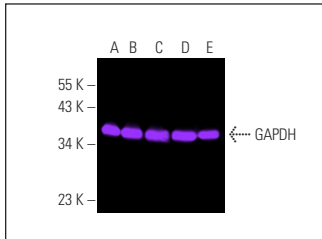
See our web site at www.scbt.com for detailed protocols and support products.

Alexa Fluor[®] is a trademark of Molecular Probes, Inc., Oregon, USA

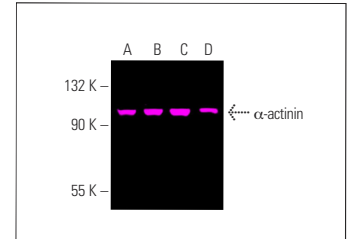
STORAGE

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

DATA



GAPDH (0411): sc-47724. Fluorescent western blot analysis of GAPDH expression in Jurkat (A), MOLT-4 (B), HeLa (C), BJAB (D) and IMR-32 (E) whole cell lysates. Blocked with UltraCruz[®] Blocking Reagent: sc-516214. Detection reagent used: m-IgG Fc BP-CFL 555: sc-533654.



α-actinin (H-2): sc-17829. Fluorescent western blot analysis of α-actinin expression in Jurkat (A), HeLa (B), RT-4 (C) and SJRH30 (D) whole cell lysates. Blocked with UltraCruz[®] Blocking Reagent: sc-516214. Detection reagent used: m-IgG Fc BP-CFL 555: sc-533654.

RESEARCH USE

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

CRUZFLUOR™ SPECTRAL PROPERTIES

PRODUCT	CAT. #	EXCITATION MAXIMUM	EMISSION MAXIMUM
m-IgG Fc BP-CFL 488	sc-533653	488 nm	514 nm
m-IgG ₁ BP-CFL 488	sc-533661		
m-IgG Fc BP-CFL 555	sc-533654	556 nm	569 nm
m-IgG ₁ BP-CFL 555	sc-533662		
m-IgG Fc BP-CFL 594	sc-533655	587 nm	603 nm
m-IgG ₁ BP-CFL 594	sc-533663		
m-IgG Fc BP-CFL 647	sc-533656	654 nm	669 nm
m-IgG ₁ BP-CFL 647	sc-533664		
m-IgG Fc BP-CFL 680	sc-533657	683 nm	700 nm
m-IgG ₁ BP-CFL 680	sc-533665		
m-IgG Fc BP-CFL 790	sc-533658	786 nm	811 nm
m-IgG ₁ BP-CFL 790	sc-533666		