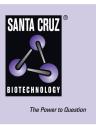
SANTA CRUZ BIOTECHNOLOGY, INC.

m-IgGλ BP-CFL 488: sc-516190



BACKGROUND

Mouse IgG λ light chain binding protein (m-IgG λ BP) conjugated to CruzFluorTM 488 is a strongly recommended alternative to conventional anti-mouse IgG secondary antibodies for Western blotting (WB), immunofluorescence (IF) and flow cytometry (FCM) signal enhancement. Mouse IgG λ 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 λ light chain binding protein (m-IgG λ BP) is suitable for binding to mouse IgG λ light chain immunoglobulins; not suitable for use with mouse monoclonal IgG κ light chain primary antibodies. CruzFluorTM 488 (CFL 488) is a green fluorescent dye that is an excellent substitute for AlexFluor[®] 488, 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.

SOURCE

m-IgG λ BP-CFL 488 is a purified recombinant mouse IgG λ light chain binding protein conjugated to CruzFluorTM 488 (CFL 488).

PRODUCT

Each vial contains 200 μ g mouse IgG λ binding protein-CFL 488 in 0.5 ml of PBS containing 0.1% gelatin and 0.1% sodium azide.

APPLICATIONS

m-IgG λ BP-CFL 488 is recommended for detection of mouse IgG λ light chain 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

RESEARCH USE

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

PROTOCOLS

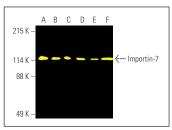
See our web site at www.scbt.com for detailed protocols and support products.

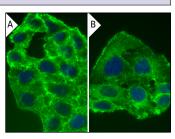
Alexa Fluor® is a trademark of Molecular Probes, Inc., Oregon, USA

STORAGE

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

DATA





Importin-7 (E-2): sc-365231. Fluorescent western blot analysis of Importin-7 expression in K-562 (A), Heta (B), SK-N-MC (C), MIA PaCa-2 (D), Jurkat (E) and NIH/373 (F) whole cell lysates. Blocked with UltraCruz[®] Blocking Reagent: sc-516214. Detection reagent used: m-IgGA BP-CFL 488: sc-516190. $\begin{array}{l} \mathsf{PPP2R4} \ (C\text{-}10)\text{: }sc\text{-}398242. \ \mathsf{Immunofluorescence} \\ \mathsf{detection of }\mathsf{PP2R4} \ \mathsf{in formalin-fixed HeLa cells} \\ \mathsf{showing }\mathsf{cytoplasmic } \mathsf{and membrane localization } \mathsf{and} \\ \mathsf{nuclear }\mathsf{DAPI } \mathsf{counterstain. } \mathsf{Detection reagent used:} \\ \mathsf{m-Ig}G\lambda \ \mathsf{BP-CFL} \ 488: \ \mathsf{sc\text{-}516190} \ (\textbf{A,B}). \end{array}$

CRUZFLUOR IIII SPECTRAL PROPERTIES			
PRODUCT	CAT. #	EXCITATION MAXIMUM	EMISSION MAXIMUM
m-lgGκ BP-CFL 488 m-lgGλ BP-CFL 488	sc-516176 sc-516190	488 nm	514 nm
m-lgGκ BP-CFL 555 m-lgGλ BP-CFL 555	sc-516177 sc-516191	556 nm	569 nm
m-lgGκ BP-CFL 594 m-lgGλ BP-CFL 594	sc-516178 sc-516192	587 nm	603 nm
m-lgGκ BP-CFL 647 m-lgGλ BP-CFL 647	sc-516179 sc-516193	654 nm	669 nm
m-lgGκ BP-CFL 680 m-lgGλ BP-CFL 680	sc-516180 sc-516194	683 nm	700 nm
m-lgGκ BP-CFL 790 m-lgGλ BP-CFL 790	sc-516181 sc-516195	786 nm	811 nm

CRUZELIJORTM SPECTRAL PROPERTIES