SANTA CRUZ BIOTECHNOLOGY, INC.

m-IgGλ BP-CFL 594: sc-516192

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

Mouse IgGλ light chain binding protein (m-IgGλ BP) conjugated to CruzFluor™ 594 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 IgGλ 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 IgGλ light chain binding protein (m-IgGλ BP) is suitable for binding to mouse IgGλ light chain immunoglobulins; not suitable for use with mouse monoclonal IgGκ light chain primary antibodies. CruzFluor™ 594 (CFL 594) is a red fluorescent dye that is an excellent substitute for AlexFluor® 594, 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-IgGλ BP-CFL 594 is a purified recombinant mouse IgGλ light chain binding protein conjugated to CruzFluor™ 594 (CFL 594).

PRODUCT

Each vial contains 200 µg mouse IgGλ binding protein-CFL 594 in 0.5 ml of PBS containing 0.1% gelatin and 0.1% sodium azide.

APPLICATIONS

m-IgGλ BP-CFL 594 is recommended for detection of mouse IgGλ 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), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (0.5-1 µg per 1 x 10^6 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

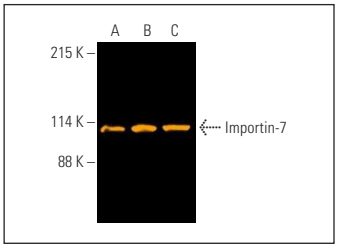
STORAGE

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

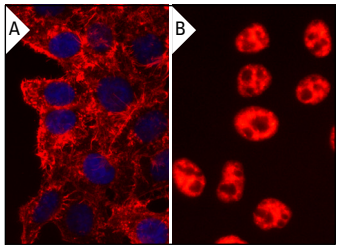
RESEARCH USE

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

DATA



Importin-7 (E-2): sc-365231. Fluorescent western blot analysis of Importin-7 expression in K-562 (**A**), HeLa (**B**) and SK-N-MC (**C**) whole cell lysates. Blocked with UltraCruz® Blocking Reagent: sc-516214. Detection reagent used: m-IgGλ BP-CFL 594: sc-516192.



PPP2R4 (C-10): sc-398242. Immunofluorescence detection of PPP2R4 in formalin-fixed HeLa cells showing cytoplasmic and membrane localization and nuclear DAPI counterstain (**A**). hnRNP F/H (1G11): sc-32310. Immunofluorescence staining of formalin-fixed HeLa cells showing nuclear localization (**B**). Detection reagent used: m-IgGλ BP-CFL 594: sc-516192.

CruzFluor™ SPECTRAL PROPERTIES

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

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