

m-IgG λ BP-HRP: sc-516132

BACKGROUND

Mouse IgG λ light chain binding protein (m-IgG λ BP) conjugated to horseradish peroxidase (HRP) is a strongly recommended alternative to conventional anti-mouse IgG secondary antibodies for Western Blotting (WB) and immunohistochemical (IHC) 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.

SOURCE

m-IgG λ BP-HRP is a purified recombinant mouse IgG λ light chain binding protein conjugated to horseradish peroxidase (HRP).

PRODUCT

Each vial contains 200 μ g mouse IgG λ binding protein-HRP in 0.5 ml of PBS containing 40% glycerol, 1% stabilizer protein and < 0.01% thimerosal.

APPLICATIONS

m-IgG λ BP-HRP is recommended for detection of mouse IgG λ light chain by ECL Western Blotting (starting dilution: 1:1000, dilution range: 1:1000-1:10000). Optimal dilution to be determined by titration.

For Western Blotting using tissue extracts and m-IgG λ BP-HRP, we strongly recommend subtracting endogenous immunoglobulins from extracts with Protein G PLUS-Agarose Reagent: sc-2002, to prevent Western Blotting interference when detecting proteins of approximately 25 kDa in size.

RECOMMENDED SUPPORT PRODUCTS

- Protein G PLUS-Agarose Reagent: sc-2002
- Western Blotting Luminol Reagent, for 2,000 cm² membrane area: sc-2048
- RIPA Lysis Buffer, 50 ml, cell lysis buffer with protease inhibitors: sc-24948
- Electrophoresis Sample Buffer, 2X, 25 ml, reducing buffer: sc-24945
- UltraCruz[®] Protease Inhibitor Cocktail Tablet, 20 tablets: sc-29130
- Running Buffer, 10X, 1 L, TRIS-Glycine WB running buffer, pH 8.3: sc-24949
- Towbin, with SDS, 10X, 1 L, WB transfer buffer pH 8.3: sc-24954
- TBS Blotting A, lyophilized powder in single-use bottle: sc-2333
- UltraCruz[®] PVDF Transfer Membrane, 0.45 μ m, 30 cm x 3 m roll: sc-3723
- UltraCruz[®] Nitrocellulose Pure Transfer Membrane, 0.22 μ m, 30 cm x 3 m roll: sc-3718
- UltraCruz[®] Tissue Culture Dish, 100 mm polystyrene dish: sc-200286
- UltraCruz[®] Autoradiography Film, Blue, 8 x 1, 100 sheets: sc-201697
- UltraCruz[®] Gel Incubation Trays, 100 per pack: sc-201755 (blue), sc-201756 (green), sc-201757 (pink), sc-201758 (yellow), sc-201759 (orange)

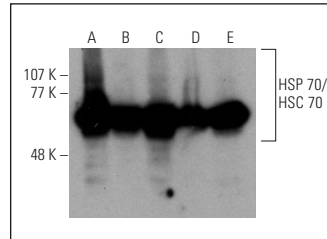
RESEARCH USE

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

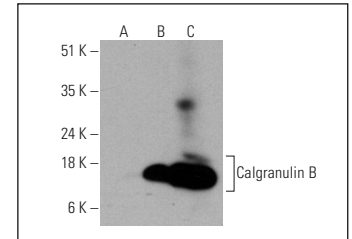
STORAGE

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

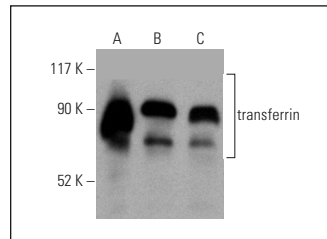
DATA



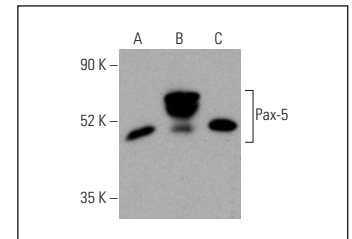
m-IgG λ BP-HRP: sc-516132. Western blot analysis of HSP 70/HSC 70 expression in HeLa (A), DU 145 (B), MCF7 (C), HUV-EC-C (D) and HCT-116 (E) whole cell lysates. Antibody tested: HSP 70/HSC 70 (W27): sc-24.



m-IgG λ BP-HRP: sc-516132. Western blot analysis of Calgranulin B expression in HL-60 (A), DMSO-treated HL-60 (B) and human PBL (C) whole cell lysates. Detection reagent used: Calgranulin B (B-5): sc-376772.



m-IgG λ BP-HRP: sc-516132. Western blot analysis of transferrin expression in Hep G2 whole cell lysate (A) and human kidney (B) and human liver (C) tissue extracts. Antibody tested: transferrin (D-9): sc-365871.



m-IgG λ BP-HRP: sc-516132. Western blot analysis of Pax-5 expression in NAMALWA (A), WEHI-231 (B) and Ramos (C) whole cell lysates. Antibody tested: Pax-5 (A-11): sc-13146.

PROTOCOLS

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