

m-IgG₃ BP-HRP: sc-533670

BACKGROUND

Mouse IgG₃ binding protein (m-IgG₃ BP) conjugated to horseradish peroxidase (HRP) is a strongly recommended alternative to conventional goat/rabbit anti-mouse IgG secondary antibodies for Western Blotting (WB) and immunohistochemical (IHC) signal enhancement. Mouse IgG₃ 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 IgG₃ binding protein (m-IgG₃ BP) is suitable for binding to most, but not all mouse monoclonal IgG₃ antibodies; not suitable for use with mouse monoclonal IgG₁, IgG_{2a}, IgG_{2b}, IgM, IgA or IgE antibodies. Not cross reactive with human or rat IgG antibodies.

SOURCE

m-IgG₃ BP-HRP is a purified recombinant mouse IgG₃ binding protein conjugated to horseradish peroxidase (HRP).

PRODUCT

Each vial contains 200 µg mouse IgG₃ binding protein-HRP in 0.5 ml of PBS containing 40% glycerol, 1% stabilizer protein and < 0.01% thimerosal.

APPLICATIONS

m-IgG₃ BP-HRP is recommended for detection of mouse IgG₃ by ECL Western Blotting (starting dilution: 1:1000, dilution range: 1:1000-1:10000) and immunohistochemistry (including paraffin-embedded sections) (starting dilution: 1:25, dilution range 1:25-1:100). Optimal dilution to be determined by titration.

For Western Blotting using tissue extracts and m-IgG₃ 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 Blotto A, lyophilized powder in single-use bottle: sc-2333
- UltraCruz[®] PVDF Transfer Membrane, 0.45 µm, 30 cm x 3 m roll: sc-3723
- UltraCruz[®] Nitrocellulose Pure Transfer Membrane, 0.22 µm, 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)

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.

PROTOCOLS

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