



# m-IgG<sub>2a</sub> BP-B: sc-542734

## BACKGROUND

Mouse IgG<sub>2a</sub> binding protein (m-IgG<sub>2a</sub> BP) conjugated to biotin (B) is a strongly recommended alternative to conventional goat/rabbit anti-mouse IgG secondary antibodies for immunohistochemical (IHC) signal enhancement. Mouse IgG<sub>2a</sub> 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<sub>2a</sub> binding protein (m-IgG<sub>2a</sub> BP) is suitable for binding to most, but not all mouse monoclonal IgG<sub>2a</sub> antibodies; not suitable for use with mouse monoclonal IgG<sub>1</sub>, IgG<sub>2b</sub>, IgG<sub>3</sub>, IgM, IgA or IgE antibodies. Not cross reactive with human or rat IgG antibodies.

## SOURCE

m-IgG<sub>2a</sub> BP-B is a purified recombinant mouse IgG<sub>2a</sub> binding protein conjugated to biotin (B).

## PRODUCT

Each vial contains 50 µg mouse IgG<sub>2a</sub> binding protein-B in 0.5 ml of PBS containing 1% stabilizer protein and 0.02% sodium azide.

## APPLICATIONS

m-IgG<sub>2a</sub> BP-B is recommended for detection of mouse IgG<sub>2a</sub> by immunohistochemistry (starting dilution: 1:50, dilution range 1:50-1:200). 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
- Organo/Limonene Mount, non-toxic alternative to Permount, 100 ml: sc-45087
- UltraCruz® Mounting Medium, aqueous-based, 10 ml: sc-24941
- ImmunoHistoMount, aqueous-based mounting medium, 30 ml: sc-45086
- Immuno In Situ Mount, for use with *in situ* hybridization, 30 ml: sc-45088
- Paraffin, for the preparation of tissue samples for staining, 500 g: sc-286633
- Xylenes, mixed isomers with ethylbenzene, 500 ml: sc-237422
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973

## 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](http://www.scbt.com) or our catalog for detailed protocols and support products.