

Myelin Basic Protein (Polyclonal)

Rabbit anti-human Myelin Basic Protein Antibody (Polyclonal)

References and presentations¹

- **ready-to-use** (manual or LabVision AutoStainer)
MAD-002259QD-3
MAD-002259QD-7
MAD-002259QD-12
- **Ready-to-use (MD-Stainer)²**
MAD-002259QD-3/V
MAD-002259QD/V
- **concentrated**
MAD-002259Q - 1:50 recommended dilution

Composition: anti-human Myelin Basic Protein rabbit polyclonal antibody purified from serum and prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide

Intended use^{IVD}: Immunohistochemistry (IHC) on paraffin embedded tissues. Not tested on frozen tissues or Western-Blotting

Clone: Polyclonal

Ig isotype: rabbit IgG

Species reactivity: In vitro diagnostics in humans. Not tested in other species

Description and applications: MBP is present in the central and peripheral nervous system, the antibody reacts with soft tissue tumors. MBP has been demonstrated in neuromas, neurofibromas, and neurogenic sarcomas; other spindle cell neoplasms do not stain with this antibody. Immunoreactivity for anti-MBP in granular cell tumors strengthens the concept of a Schwann cell derivation of these lesions. Unlike other nervous system proteins e.g., GFAP and S-100, MBP has not been demonstrated in melanocytes or tumors derived from them.



IHC positive control: Cerebral cortex

Visualization: Cell cytoplasm

IHC recommended procedure:

- 4µm thick section should be taken on charged slides; dry overnight at 60°C

- Deparaffinise, rehydrate and HIER (heat induced epitope retrieval) – boil tissue in the Pt Module using Vitro S.A EDTA buffer pH8³ for 20 min at 95°C. Upon completion rinse with 3-5 changes of distilled or deionised water followed by cooling at RT for 20 min
- Endogenous peroxidase block - Blocking for 10 minutes at room temperature using peroxidase solution (ref. MAD-021540Q-125)
- Primary antibody: incubate for 10 minutes [The antibody dilution (when concentrated) and protocol may vary depending on the specimen preparation and specific application. Optimal conditions should be determined by the individual laboratory]
- For detection use Master Polymer Plus Detection System (HRP) (DAB included; ref. MAD-000237QK)
- Counterstaining with haematoxylin and final mounting of the slide

Storage and stability:  Stored at 2-8°C. Do not freeze.  Once the packaging has been opened it can be stored until the expiration date of the reagent indicated on the label. If the reagent has been stored under other conditions to those indicated in this document, the user must first check its correct performance taking into account the product warranty is no longer valid.

Warnings and precautions:

1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water.
2. This product is harmful if swallowed.
3. Consult local or state authorities with regard to recommended method of disposal.
4. Avoid microbial contamination of reagents.

Safety Recommendations

This product is intended for laboratory professional use only. The product is NOT intended to be used as a drug or for domestic purposes. The current version of the Safety Data Sheet for this product can be downloaded by searching the reference number at www.vitro.bio or can be requested at regulatory@vitro.bio.

¹ These references are for presentation in vials of Low Density Polyethylene (LDPE) dropper. In case the products are used in automated stainers, a special reference is assigned as follows:

- / L: Cylindrical screw-cap vials (QD-3 / L, QD-7 / L, QD-12 / L).

- / N: Polygonal screw-cap vials (QD-3 / N, QD-7 / N, QD-12 / N).

For different presentations (references / volumes) please contact the supplier.

² For Technical specifications for MD-Stainer, please contact your distributor.

³ Ref: MAD-004072R/D



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



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Bibliography

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3. Coffin C M and Dehner L P. Cellular peripheral neural tumors (neurofibromas) in children and adolescents: a clinicopathological and immunohistochemical study. Pediatr. Pathol. 10 (3): 351-361 (1990).
4. Rozeik C and Schulz-Harder B. Myelin basic protein immunohistochemistry: a study of the early stages of myelination in the brainstem of the rat. Acta Histochem. 88 (2): 149-158 (1990).
5. Hruby S, Alvord Jr. E C, Groome N P, et al.. Monoclonal antibodies reactive with myelin basic protein. Molecular Immunology 24 (12): 1359-1364 (1987).
6. Hruby S, Alvord Jr. E C, Martenson R E, et al.. Sites in myelin basic protein that react with monoclonal antibodies. Journal of Neurochemistry 44: 637-650 (1985).

LABEL AND BOX SYMBOLS

Explanation of the symbols of the product label and box:

	Expiration date
	Temperature limit
	Manufacturer
	Sufficient content for <n> assays
	Catalog number
	Lot code
	Refer to the instructions of use
	Medical product for <i>in vitro</i> diagnosis.
	Material safety data sheet

