



BMA BIOMEDICALS

Monoclonal Antibody To Chicken Axonin-1

Marker for a Neuronal Glycoprotein also known as Contactin-2 or TAG-1

Monoclonal antibody X9A9 recognizes axonin-1 or contactin-2, an axon-associated cell adhesion molecule that is attached to the neuronal membrane by a GPI-anchor. Axonin-1 is a cell adhesion molecule of the immunoglobulin superfamily that was shown to be an axon guidance cue in the central nervous system *in vivo*. Secreted axonin-1, which is structurally highly similar to membrane-bound axonin-1, is not derived from the cell surface but directly from an internal pool.

Axonin-1 contains 6 immunoglobulin-like domains and 4 fibronectin type-III domains.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product Number: T-3301 (Lot 01PO1003)

Clone: X9A9

Host species, isotype: Mouse IgG2a kappa

Quantity: 250µg

Quantity: 200µg

Format: Affinity purified, lyophilized.

Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.05% (v/v) Kathon™ CG as a preservative.

Stability: Original vial: 1 year at 4 – 8 °C from date of purchase.
Stock solution or aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.

Applications: Tested for immunohistochemistry (IHC)

Approximate working dilution for IHC:

Frozen sections: 1µg/ml (1:400)

Paraffin sections: not tested

Optimal dilutions should be determined by the end user

Suggested positive control: chicken embryo

Please see **www.bma.ch** for protocols and general information

Immunogen: Purified secreted axonin-1

Protein database: [chick-P28685](#)

Antigen, epitope: The epitope lies in the third fibronectin type-III domain

Antigen distribution: **Tissue sections:** retina, developing neurons

Specificity: Chicken axonin-1

Other species: not yet tested

Selected references

Zuellig R.A. et al.: The axonally secreted cell adhesion molecule, axonin-1. Eur. J. Biochem. 204, 453-463 (1992).

For in vitro research only. This product contains Kathon™ CG as a preservative.