

MPZ Antibody (monoclonal) (M05)**Mouse monoclonal antibody raised against a full length recombinant MPZ.****Catalog # AT2897a****Specification**

MPZ Antibody (monoclonal) (M05) - Product Information

Application	E
Primary Accession	P25189
Other Accession	BC006491
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	27555

MPZ Antibody (monoclonal) (M05) - Additional Information**Gene ID** 4359**Other Names**

Myelin protein P0, Myelin peripheral protein, MPP, Myelin protein zero, MPZ

Target/Specificity

MPZ (AAH06491.1, 1 a.a. ~ 258 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

MPZ Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

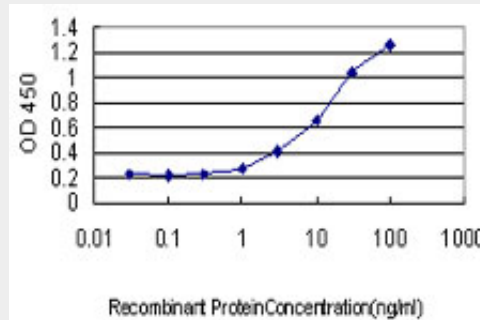
MPZ Antibody (monoclonal) (M05) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MPZ Antibody (monoclonal) (M05) - Images



Detection limit for recombinant GST tagged MPZ is approximately 1ng/ml as a capture antibody.

MPZ Antibody (monoclonal) (M05) - Background

This gene encodes a major structural protein of peripheral myelin. Mutations in this gene result in the autosomal dominant form of Charcot-Marie-Tooth disease type 1 and other polyneuropathies.

MPZ Antibody (monoclonal) (M05) - References

Charcot-Marie-Tooth disease with intermediate conduction velocities caused by a novel mutation in the MPZ gene. Banchs I, et al. Muscle Nerve, 2010 Aug. PMID 20544920. Charcot-Marie-Tooth disease due to novel myelin protein zero mutation presenting as late-onset remitting sensory neuropathy. Simpson BS, et al. J Clin Neuromuscul Dis, 2010 Jun. PMID 20516806. Asymmetric phenotype associated with rare myelin protein zero mutation. Souayah N, et al. J Clin Neuromuscul Dis, 2010 Mar. PMID 20215982. Laryngeal neuropathy of Charcot-Marie-Tooth disease: further observations and novel mutations associated with vocal fold paresis. Benson B, et al. Laryngoscope, 2010 Feb. PMID 19950375. [Predominant parasympathetic involvement in a patient with Charcot-Marie-Tooth disease caused by the MPZ Thr124Met mutation] Nakamura N, et al. Rinsho Shinkeigaku, 2009 Sep. PMID 19928689.