



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07944 - Goat Anti-Myelin Protein zero Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** myelin protein zero, myelin protein zero (Charcot-Marie-Tooth neuropathy 1B), MPZ, CHM, CMT1, CMT1B, CMT2I, CMT2J, CMT4E, CMTDI3, DSS, HMSNIB, MPP, P0

**Official Symbol:** MPZ

**Accession Number(s):** NP\_000521.1

**Human GeneID(s):** [4359](#)

**Important Comments:** The presence of this PNS protein in Rat Spinal Cord is likely due to contamination with spinal roots during extraction from the animal.

### Immunogen

Peptide with sequence C-DHSRSTKAVSEK, from the internal region (near the C Terminus) of the protein sequence according to NP\_000521.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Approx 28kDa band observed in Rat Spinal Cord lysates (calculated MW of 28.5kDa according to Human NP\_000521.1 and of 27.7kDa according to Rat NP\_058723.1). Recommended concentration: 0.1-0.3µg/ml.

### Species Reactivity

**Tested:** Rat

**Expected from sequence similarity:** Human, Mouse, Rat, Dog



EB07944 (0.1µg/ml) staining of Rat Spinal Cord lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.