

## Anti-Myelin basic protein [845D3] Bulk Size Ab03092-1.1-BT

**Isotype and Format:** Mouse IgG1, Kappa

**Clone Number:** 845D3

**Alternative Name(s) of Target:** MBP; Myelin A1 protein; Myelin membrane encephalitogenic protein; 84-5D3

**UniProt Accession Number of Target Protein:** P02686

**Published Application(s):** RIA, ELISA

**Published Species Reactivity:** Bovine, Human

**Immunogen:** The original antibody was generated by hyperimmunization of BALB/c mice with human MBP peptide comprising amino acids from 80-89.

**Specificity:** This antibody binds human myelin basic protein (MBP), amino acid residues 80-89 (QDENPVVHF). This antibody also cross reacts with bovine MBP comprising amino acids 78-88. The MBP isoforms 4 and 14 along with PLP are most abundant protein components of the myelin membrane in the CNS. The smaller isoforms are believed to have an important role in remyelination of denuded axons in multiple sclerosis.

**Application Notes:** The epitope mapping of this antibody was done using solid phase radioimmunoassay (PMID: 2419434). This antibody can be used in the detection of MBP in a sample using ELISA (PMID: 2466871).

**Antibody First Published in:** Price et al. Multiple epitopes in a dodecapeptide of myelin basic protein determined by monoclonal antibodies. J Immunol. 1986 Apr 1;136(7):2426-31. [PMID:2419434](#)

**Note on publication:** Describes the generation of 4 antibodies against different epitopes of myelin basic protein and their epitope characterization using solid phase radio immunoassay.

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.