

Anti-Myelin basic protein [845D3] Bulk Size Ab03092-23.0-BT

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Rabbit IgG, 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.