

## Anti-Myelin basic protein [F23C6] Standard Size Ab03091-10.0

This chimeric human 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:** Human IgG1, Kappa

**Clone Number:** F23C6

**Alternative Name(s) of Target:** MBP; Myelin A1 protein; Myelin membrane encephalitogenic protein; F23

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

**Published Application(s):** ELISA

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated by hyperimmunization of BALB/c mice with a synthetic peptide comprising human MBP acetyl residues 1-9.

**Specificity:** This antibody binds human myelin basic protein (MBP), acetyl residues 1-9 (ASQKRPSQR). 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:** This antibody can be used for the detection of human MBP in a sample using ELISA. This antibody was found to react with human MBP peptides like acetyl 1-9, 1-14, and 1-44 (PMID: 1698857).

**Antibody First Published in:** Zhou et al. An idiotypic shared by monoclonal antibodies to different peptides of human myelin basic protein. J Immunol. 1990 Oct 15;145(8):2554-60. [PMID:1698857](#)

**Note on publication:** Describes the generation of antibody against human myelin basic protein and describes use of complementary peptide to human MBP peptide 1-9 to raise murine mAb with anti-Id activity.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. 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.