

## Anti-Myelin basic protein [F28C4] Bulk Size Ab03090-2.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

**Isotype and Format:** Mouse IgG2a, [Fc Silent™](#), Lambda

**Clone Number:** F28C4

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

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

**Published Application(s):** ELISA

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated by immunizing PL/J mice with 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 shares a cross reactive idiotpe with the TCRs, possibly as a result of having similar fine epitope specificity and sequence homology (PMID: 7517973). This antibody can be used for the detection of MBP in a solution using ELISA (PMID: 8567971).

**Antibody First Published in:** Maier et al. A V lambda x-bearing monoclonal antibody with similar specificity and sequence to encephalitogenic T cell receptors. J Immunol. 1994 Aug 1;153(3):1132-40.

[PMID:7517973](#)

**Note on publication:** Describes the generation of this antibody and compares its sequences homology to encephalitogenic T cell receptors.

## 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 recommed 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.