

**Recombinant****DGRmAb®****Myelin Basic Protein (DGR14508) Rabbit mAb (PBS Only)****db14893-PBS****Package : 100µg****Product Name :** Myelin Basic Protein (DGR14508) Rabbit mAb (PBS Only)**Cat.No.:** db14893-PBS**Synonyms :** MBP**Application :** WB, IHC-P**Reactivity :** Human**Host species :** Rabbit**Background**

The protein encoded by the classic MBP gene is a major constituent of the myelin sheath of oligodendrocytes and Schwann cells in the nervous system. However, MBP-related transcripts are also present in the bone marrow and the immune system. These mRNAs arise from the long MBP gene (otherwise called "Golli-MBP") that contains 3 additional exons located upstream of the classic MBP exons. Alternative splicing from the Golli and the MBP transcription start sites gives rise to 2 sets of MBP-related transcripts and gene products. The Golli mRNAs contain 3 exons unique to Golli-MBP, spliced in-frame to 1 or more MBP exons. They encode hybrid proteins that have N-terminal Golli aa sequence linked to MBP aa sequence. The second family of transcripts contain only MBP exons and produce the well characterized myelin basic proteins. This complex gene structure is conserved among species suggesting that the MBP transcription unit is an integral part of the Golli transcription unit and that this arrangement is important for the function and/or regulation of these genes. [provided by RefSeq, Jul 2008]

**Immunogen**

Recombinant protein of human Myelin Basic Protein

**Gene ID**

4155

**Swiss Prot**

P02686

**Synonyms**

MBP

**Reactivity**

Human

**Application**

WB, IHC-P

**Calculated MW**

33 kDa

**Observed MW**

18 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

|                          |                                                                                                                                                           |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clonality No.</b>     | DGR14508                                                                                                                                                  |
| <b>Isotype</b>           | IgG                                                                                                                                                       |
| <b>Purity</b>            | Affinity Purification                                                                                                                                     |
| <b>Conjugation</b>       | Un-conjugated                                                                                                                                             |
| <b>Concentration</b>     | 1 mg/mL                                                                                                                                                   |
| <b>Formulation</b>       | PBS Only                                                                                                                                                  |
| <b>Storage Stability</b> | Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt. |

