

Myelin basic protein Recombinant Antibody | MBP recombinant antibody

Anti-Myelin basic protein [F28C4], Rabbit IgG, lambda

CATALOG # AAA72544	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA
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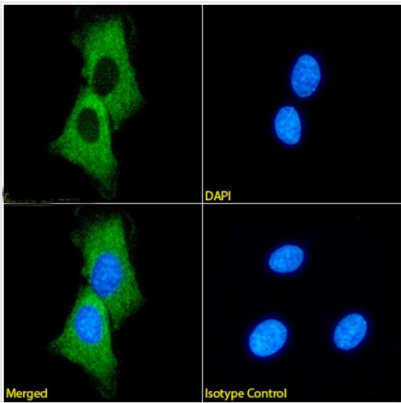
PRODUCT SYNONYMS

Myelin basic protein; Monoclonal Recombinant Antibody; Anti-Myelin basic protein [F28C4]; Rabbit IgG; lambda; MBP; Myelin A1 protein; Myelin membrane encephalitogenic protein; MBP recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG lambda
Clone Number	F28C4
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.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for MBP recombinant antibody	ELISA
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2a format for improved compatibility with existing reagents assays and techniques.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of Kelly cells with anti-Myelin basic protein antibody F28C4 (AAA72544). Immunofluorescence analysis of paraformaldehyde-fixed Kelly cells on Shi-fix coverslips stained with the chimeric rabbit IgG version of F28C4 (AAA72544) (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing cytoplasmic staining. The nuclear stain is DAPI. Right, top-bottom, AAA72544, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for MBP recombinant antibody	The original antibody was generated by immunizing PL/J mice with MBP acetyl residues 1-9.
References	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. N/A7517973 Note on publication: Describes the generation of this antibody and compares its sequences homology to encephalitogenic T cell receptors.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1162922
NCBI GeneID	4155
UniProt Accession #	P02686; Q15337; Q15338; Q15339; Q15340; A4FU54; A6NI84; A8MY86; A8MYL4; B3KY66; B7ZKS2; B7ZKS4
Molecular Weight	33,117 Da
NCBI Official Full Name	myelin basic protein
NCBI Official Synonym Full Names	myelin basic protein
NCBI Official Symbol	MBP
NCBI Protein Information	Golli-MBP; myelin basic protein; myelin A1 protein; myelin membrane encephalitogenic protein
UniProt Protein Name	Myelin basic protein
UniProt Gene Name	MBP
UniProt Synonym Gene Names	MBP
UniProt Entry Name	MBP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.