

For Research Use Only

MOG Recombinant antibody

Catalog Number: 83063-6-RR



Basic Information

Catalog Number: 83063-6-RR	GenBank Accession Number: N/A	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 4340	CloneNo.: 250235E1
Source: Rabbit	UNIPROT ID: Q16653-1	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: myelin oligodendrocyte glycoprotein	
Immunogen Catalog Number: EG2878	Calculated MW: 24 kDa	
	Observed MW: 25-28 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue, pig brain tissue
Species Specificity: human, mouse, rat, pig	

Background Information

Myelin/oligodendrocyte glycoprotein (MOG), a 23-28 kDa glycoprotein, a myelin antigen at the outer surface of the central nervous system (CNS) myelin sheath, which may trigger T-cell as well as B-cell responses. It therefore constitutes a pivotal target for autoimmune responses, which result in inflammation and also demyelination in the CNS. Its presence on the outer-most lamellae of mature CNS myelin and its late appearance during myelinogenesis suggest that it contributes to myelin maturation or maintenance. 10 isoforms of MOG produced by alternative splicing have been described, and heterodimers may be formed between the different isoforms. Defects in MOG are the cause of narcolepsy type 7 (NRCLP7), a neurological disabling sleep disorder characterized by excessive daytime sleepiness, sleep fragmentation, symptoms of abnormal rapid-eye-movement (REM) sleep, cataplexy, hypnagogic hallucinations, and sleep paralysis. Role of MOG in the pathogenesis of multiple sclerosis (MS) has been reported but remains to be clarified.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

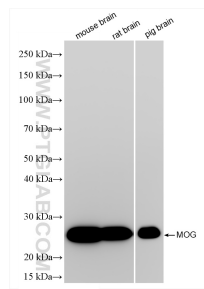
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83063-6-RR (MOG antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.