

For Research Use Only

MOG Recombinant antibody, PBS Only

Catalog Number: 83063-6-PBS



Basic Information

Catalog Number: 83063-6-PBS	GenBank Accession Number: N/A	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 4340	CloneNo.: 250235E1
Source: Rabbit	UNIPROT ID: Q16653-1	
Isotype: IgG	Full Name: myelin oligodendrocyte glycoprotein	
Immunogen Catalog Number: EG2878	Calculated MW: 24 kDa	
	Observed MW: 25-28 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

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

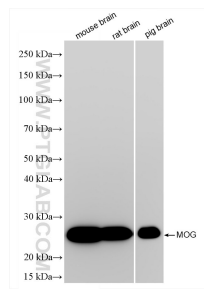
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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. This data was developed using the same antibody clone with 83063-6-PBS in a different storage buffer formulation.