

Datasheet for ABIN668494
anti-MOG antibody (PE-Cy7)



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	MOG
Reactivity:	Human, Mouse, Rat, Pig, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MOG antibody is conjugated to PE-Cy7
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MOG
Isotype:	IgG
Specificity:	Excitation / Emission Wavelengths: 480,565,743nm/767nm
Cross-Reactivity:	Rat (Rattus), Pig (Porcine), Guinea Pig
Purification:	purified by Protein A

Target Details

Target:	MOG
Alternative Name:	MOG (MOG Products)
Background:	Myelin oligodendrocyte glycoprotein (MOG) is a key CNS-specific autoantigen for primary demyelination in multiple sclerosis. Although the disease-inducing role of MOG has been

Target Details

established, its precise function in the CNS remains obscure. MOG is a type I integral membrane protein possessing a single extracellular Ig variable domain (Ig-V) (3, 13, 14). The amino acid sequence of MOG is highly conserved among animal species (>90%), indicative of an important biological function. MOG is specifically expressed in the CNS on the outermost lamellae of the myelin sheath as well as the cell body and processes of oligodendrocytes. The developmentally late expression of MOG correlates with the later stages of myelinogenesis, suggesting that MOG has a role in the completion, compaction, and/or maintenance of myelin, further suggesting that MOG has an adhesive function within the CNS. Consistent with MOG's possible adhesive role in the CNS, a homodimeric form of MOG has not only been observed after isolation from the CNS but has additionally been observed in situ.

Molecular Weight:	28kDa
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Gene ID:	4340
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Application Details

Application Notes:	FCM(1:100-500) Optimal working dilution should be determined by the investigator.
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Comment:	Excitation / Emission wavelength: 496,565nm / 774nm
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	1 µg/µL
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Buffer:	Aqueous buffered solution containing 100 µg/mL BSA, 50 % glycerol and 0.09 % Gentamicin.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C
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Storage Comment:	Store at 4 °C for 12 months
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Expiry Date:	12 months
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