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Datasheet for ABIN1097173
MOG Protein (AA 30-154) (His tag)

Overview

Quantity:	50 µg
Target:	MOG
Protein Characteristics:	AA 30-154
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MOG protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Myelin Oligodendrocyte Glycoprotein/MOG (C-6His)
Sequence:	GQFRVIGPRH PIRALVGDEV ELPCRISPGK NATGMEVGWY RPPFSRVVHL YRNGKDQDGD QAPEYRGRTE LLKDAIGEGK VTLRIRNVRF SDEGGFTCFF RDHSYQEEAA MELKVEDPFY WVSPGVDHHH HHH
Characteristics:	Recombinant Human Myelin-Oligodendrocyte Glycoprotein/MOG is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Gly30-Gly154) of Human MOG fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	MOG
Alternative Name:	Myelin-oligodendrocyte-glycoprotein (MOG Products)
Sub Type:	Fusionprotein
Background:	<p>Myelin Oligodendrocyte Glycoprotein (MOG) is a transmembrane protein, which is expressed exclusively in the CNS. MOG contains a single Ig-domain exposed to the extracellular space which allows autoantibodies easy access. MOG protein has been identified as a crucial autoantigen for multiple sclerosis in humans. MOG is capable to produce a demyelinating multiple sclerosis-like disease in experimental animals, namely experimental autoimmune encephalomyelitis (EAE) in rodents and monkeys.</p> <p>Alternative Names: Myelin-Oligodendrocyte Glycoprotein, MOG</p>
Molecular Weight:	15.31 kDa
UniProt:	Q16653

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months