



20150116ML

Anti-Mouse Omgp (#5H73)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	103-M445
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat) immunized with mouse recombinant protein of OMGP.

Target Background

Synonyms (Target):	OMG; OMGP
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Oligodendrocyte myelin glycoprotein (OMgp) is a GPI-linked glycoprotein that exhibits multiple leucine-rich repeats and putative N- and O-linked glycosylation sites. It is primarily expressed on the surfaces of oligodendrocytes and large projection neurons, including Purkinje and pyramidal cells. OMgp binds a heterodimeric receptor complex consisting of Nogo R and NGF R/TNFRSF16 to collapse axonal growth cones and inhibit axonal and neurite outgrowth.

Database References Target

Protein RefSeq:	NP_062282.2
Uniprot ID:	Q63912
mRNA RefSeq:	NM_019409.2

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#5H73)
Isotype	IgG2
Purification	Protein G chromatography
Antigen	recombinant mouse Omgp
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody detects specifically mouse OMPG with WB.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB

Recommended usage:

WB: 1:100-500

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!