

Recombinant Anti-MAG Antibody (V3S-0522-YC1744)

Cat. No.: V3S-0522-YC1744

Summary

Description	This product is a monoclonal antibody derived from Mouse (<i>Mus musculus</i>), which can specifically recognize Myelin Associated Glycoprotein. The antibody is expressed with mammalian cell transient expression system, serum-free and purified by affinity chromatography. The purity and integrity are tested via SDS-PAGE and SEC-HPLC analysis. Given an antigen, additional QC measures are also desired such as affinity testing and binding validation. Specifically, the antibody is provided in multiple formats for in vivo and in vitro assays. The <i>In vivo</i> version features greater than 95% purity, ultra-low endotoxin levels (<1 EU/mg or 0.1 EU/mg), and is preservative, stabilizer, and carrier protein-free.
Clonality	Monoclonal
Host Species	Mouse
Target Species	Human, Rat
Isotype	IgG
Isotype Control	C35500
Secondary Antibody	C47504; C37557; C41360; C32672; C10001; C13172; C32251; C50005

Property

Expression Species	HEK293F or CHO
Conjugation	None
Purity	>95%, determined by SDS-PAGE and/or SEC-HPLC
Endotoxin	<1 EU/mg, determined by LAL method
Purification	Protein A affinity purified
Sterility	0.2 µm filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4°C within a week. For longer storage, aliquot and store at -20°C.

Applications

For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

Application	ELISA
Application Notes	The antibody is recommended for detection of MAG by ELISA assay.

Target

Target	MAG
Alternative Name	Myelin Associated Glycoprotein; Sialic Acid Binding Ig-Like Lectin 4A; SIGLEC-4A; GMA; Sialic Acid-Binding Immunoglobulin-Like Lectin 4A; Myelin-Associated Glycoprotein; SIGLEC4A; S-MAG; SPG75
Gene ID	4099
UniProt	P20916
Introduction	Myelin Associated Glycoprotein is a type I membrane protein and member of the immunoglobulin superfamily. It is thought to be involved in the process of myelination. It is a lectin that binds to sialylated glycoconjugates and mediates certain myelin-neuron cell-cell interactions.
Research Area	Neuroscience
Related Disease	Neurological disease

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