

Anti-MAG Neutralizing Antibody (V3S-0522-YC6261)

Cat. No.: V3S-0522-YC6261

Summary

Description	This product is a monoclonal antibody derived from Human (<i>Homo sapiens</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	Human
Target Species	Human, Rat
Immunogen	Mag
Affinity	KD = 0.11 nM, determined by surface plasmon resonance.
Isotype	IgG1, κ
Isotype Control	C67002
Secondary Antibody	C32400; C75370; C10513; C51635; C45530; C61612; C23324; C61612

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.

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

Applications

Application	ELISA; Neut
Application Notes	The antibody is recommended for detection of MAG by ELISA, Neut assays.

Target

Target	MAG
Alternative Name	GMA; S-MAG; SPG75; SIGLEC4A; SIGLEC-4A
Gene ID	4099
UniProt	P20916
Introduction	Myelin-associated glycoprotein (MAG, Siglec-4) is a type 1 transmembrane protein glycoprotein localized in periaxonal Schwann cell and oligodendrocyte membranes, where it plays a role in glial-axonal interactions. MAG is a member of the SIGLEC family of proteins and is a functional ligand of the NOGO-66 receptor, NgR.
Research Area	Neuroscience
Related Disease	Stroke

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