

Rabbit MAG Polyclonal Antibody | anti-MAG antibody

Anti-MAG Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125462	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

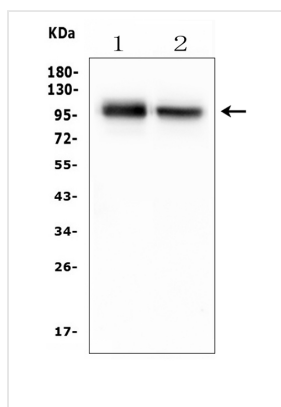
PRODUCT SYNONYMS

MAG; Polyclonal Antibody; Anti-MAG Antibody; Myelin-associated glycoprotein; Siglec-4a; GMA; anti-MAG antibody

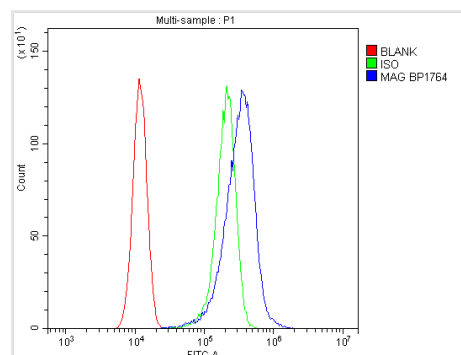
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	626
Applicable Applications for anti-MAG antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E Coli-derived human MAG recombinant protein (Position: E34-R605).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

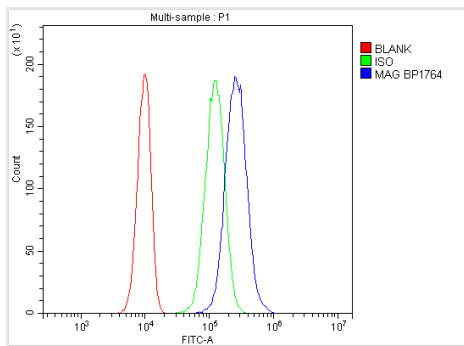
IMAGES



WB (Western Blot)



FCM/FACS (Flow Cytometry)



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-MAG antibody	Description: Rabbit IgG polyclonal antibody for MAG detection. Tested with WB, FCM, Direct ELISA in Human; Mouse; Rat. Background: MAG(Myelin-associated glycoprotein),also known as SIGLEC4A, is a cell membrane glycoprotein that is a member of the SIGLEC family of proteins and is a functional ligand of the Nogo-66 receptor, NgR. It is though to be involved in the process of myelination. MAG is a sialic acid-binding SIGLEC protein and is a functional ligand for the Nogo receptor.The MAG gene is mapped on 19q13.12. Cleavage of GPI-linked proteins from axons protects growth cones from MAG-induced collapse, and dominant-negative NgR eliminates MAG inhibition of neurite outgrowth. MAG-resistant embryonic neurons were rendered MAG-sensitive by expression of NgR. MAG binds specifically to an NgR-expressing cell line in a GPI-dependent and sialic acid-independent manner. Experiments blocking NgR from interacting with MAG prevented inhibition of neurite outgrowth by MAG. In cultured human embryonic kidney(HEK) cells expressing the Nogo receptor, p75(NTR) was required for MAG-induced intracellular calcium elevation.
References	1. Atwal, J. K., Pinkston-Gosse, J., Syken, J., Stawicki, S., Wu, J., Shatz, C., Tessier-Lavigne, M. PirB is a functional receptor for myelin inhibitors of axonal regeneration. Science 322: 967-970, 2008. 2. Barton, D. E., Arquint, M., Roder, J., Dunn, R., Francke, U. The myelin-associated glycoprotein gene: mapping to human chromosome 19 and mouse chromosome 7 and expression in quivering mice. Genomics 1: 107-112, 1987. 3. Liu, B. P., Fournier, A., GrandPre, T., Strittmatter, S. M. Myelin-associated glycoprotein as a functional ligand for the Nogo-66 receptor. Science 297: 1190-1193, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11225258
NCBI GeneID	4099
NCBI Accession #	NP_002352.1
NCBI GenBank Nucleotide #	NP_002352.1
UniProt Accession #	P20916
NCBI Official Full Name	myelin-associated glycoprotein isoform a
NCBI Official Synonym Full Names	myelin associated glycoprotein
NCBI Official Symbol	MAG
NCBI Official Synonym Symbols	GMA; S-MAG; SPG75; SIGLEC4A; SIGLEC-4A
NCBI Protein Information	myelin-associated glycoprotein
UniProt Protein Name	Myelin-associated glycoprotein
UniProt Gene Name	MAG
UniProt Synonym Gene Names	GMA
UniProt Entry Name	MAG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mag-antibody-direct-elisa-flow-cytometry-western-blot-elisa/125462>