

## Recombinant Mouse MAG Protein

Catalog #	Source	Reactivity	Applications
CRP3014	Human cells	Mouse	E, WB, SDS-PAGE, MS

<b>Description</b>	Recombinant Mouse MAG Protein is produced by mammalian expression system and the target gene encoding Gly20-Pro516 is expressed with a 6His tag at the C-terminus.
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
<b>Gene Symbol</b>	MAG
<b>Alternative Names</b>	GMA; Myelin-associated glycoprotein; Siglec-4a
<b>Entrez Gene</b>	17136 (Mouse)
<b>SwissProt</b>	P20917 (Mouse)
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Chemical Structure</b>	<p>GHWGAWMPST ISAFEGTCVS IPCRFDFPDE LRPAVVHGVW YFNSPYPKNY PPVVFKSRTQ</p> <p>VVHESFQGRS RLLGDLGLRN CTLLLSTLSP ELGGKYYFRG DLGGYNQYTF SEHSVLDIVN</p> <p>TPNIVVPPEV VAGTEVEVSC MVPDNCPELR PELSWLGHEG LGEPTVLGRL REDEGTWVQV</p> <p>SLLFVPTRE ANGHRLGCQA AFPNTTLQFE GYASLDVKYP PVIVEMNSSV EAIEGSHVSL</p> <p>LCGADSNPPP LLTWMRDGMV LREAVAKSLY LDLEEVTPGE DGVYACLAEN AYGDNRNRTVE</p> <p>LSVMYAPWKP TVNGTVVAVE GETVSILCST QSNPDILTI FKEKQILATV IYESQLQLEL</p> <p>PAVTPEDDGE YWCVAENQYG QRATAFNLSV EFAPIILLES HCAAARDTVQ CLCVVKSNEP</p> <p>PSVAFELPSR NVTVNETERE FVYSERSGLL LTSILTIRGQ AQAPPRVICT SRNLYGTQSL</p> <p>ELPFQGAHRL MWAKIGPHHH HHH</p>
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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