

Human CellExp™ MAG / Siglec-4a, Fc Tag, Human Recombinant

CATALOG NO: P1481-10 10 µg
P1481-50 50 µg

ALTERNATE NAMES: MAG, Siglec-4a, GMA, S-MAG

MOL. WT. This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 81.1 kDa. The protein migrates as 100-115 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

SOURCE: HEK 293 cells

PURITY: >95% SDS-PAGE

ENDOTOXIN: Less than 1.0 EU per µg by the LAL method.

FORM: Lyophilized

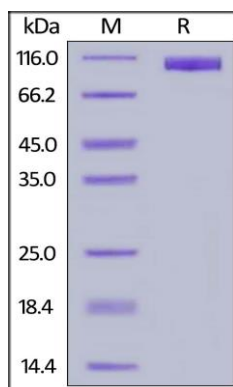
FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

RECONSTITUTION: Reconstitute in sterile deionized water to the desired protein concentration.

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -80°C and use within 3 months. Avoid repeated freezing and thawing cycles.

DESCRIPTION: Myelin-associated glycoprotein (MAG), a nervous system cell adhesion molecule, is an I-type lectin that binds to sialylated glycoconjugates, including gangliosides bearing characteristic structural determinants. Preferentially binds to alpha-2,3-linked sialic acid. Binds ganglioside Gt1b. Adhesion molecule that mediates interactions between myelinating cells and neurons by binding to neuronal sialic acid-containing gangliosides and to the glycoproteins RTN4R and RTN4RL2. Protection against apoptosis is probably mediated via interaction with neuronal RTN4R and RTN4RL2. In dorsal root ganglion neurons the inhibition is mediated primarily via binding to neuronal RTN4R or RTN4RL2 and to a lesser degree via binding to neuronal gangliosides. In cerebellar granule cells the inhibition is mediated primarily via binding to neuronal gangliosides. In sensory neurons, inhibition of neurite extension depends only partially on RTN4R, RTN4RL2 and gangliosides.

AMINO ACID SEQUENCE: Gly 20 - Pro 516



SDS-PAGE Human MAG, Fc Tag SDS-PAGE gel Human MAG, Fc Tag on SDS-PAGE under reducing (R) condition.

RELATED PRODUCTS:

Human CellExp™ CD33 / SIGLEC-3, human recombinant (7370)
Human CellExp™ Siglec-2 / CD22 isoform beta, Human Recombinant (Cat. No. P1171)
Human CellExp™ MAG / Siglec-4a, Human Recombinant (P1480)
Human CellExp™ Siglec-15, Mouse Recombinant (P1466)

FOR RESEARCH USE ONLY! Not to be used on humans.