RP00133

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Recombinant Human MAG/GMA/Siglec-4 Protein

Catalog No.: RP00133   **Recombinant**

Sequence Information

Species | **Gene ID** | **Swiss Prot**
Human | 4099 | P20916

Tags
C-hFc&His

Synonyms
GMA; S-MAG; SIGLEC-4A; SIGLEC4A;
SPG75;MAG;S-
MAG;SIGLEC-4A;SIGLEC4A;SPG75

Product Information

Source | **Purification**
HEK293 cells | > 97% by SDS-PAGE.

Endotoxin
< 0.1 EU/µg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

the protein 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. Three alternatively spliced transcripts encoding different isoforms have been described for this gene.

Basic Information

Description
Recombinant Human MAG/GMA/Siglec-4 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Gly20-Pro516) of human MAG/GMA/Siglec-4 (Accession #NP_002352.1) fused with an Fc, 6×His tag at the C-terminus.

Bio-Activity
Measured by its ability to inhibit neurite outgrowth of dissociated E13 chick embryonic dorsal root ganglia (DRG) neurons. When immobilized as a 3 µL droplet containing 200 ng on a nitrocellulose coated microplate, Recombinant Human MAG/GMA/Siglec-4 is able to significantly inhibit neurite outgrowth.
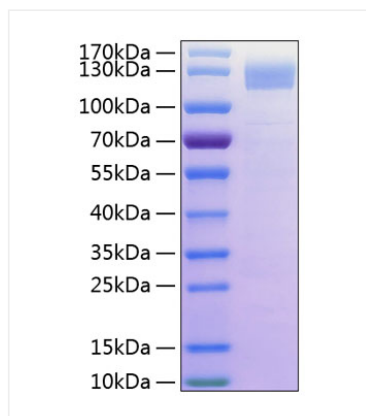
Storage
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

www.abclonal.com

Validation Data

Recombinant Human MAG/GMA/Siglec-4 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 115-125 kDa.