

Recombinant Mouse CSF2RA/GM-CSF R alpha/CD116 Protein

Catalog No.: RP02663 **Recombinant**

Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Mouse | 12982 | Q00941 |

Tags

C-His

Synonyms

GM-CSF-R-alpha; GMCSFR-alpha; GMR-alpha; CSF2R; CSF2RY; CSF2RA; CDw116; CD116; CSF2RAX; CSF2RAY; CSF2RX; GMCSFR; GMR; SMDP4

Product Information

| Source | Purification |
|--------------|--|
| HEK293 cells | > 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC |

| Calculated MW | Observed MW |
|---------------|-------------|
| 33.1 kDa | 50-65 kDa |

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

In the first trimester, the GM-CSF-R was found to be present on villous cytotrophoblast and all populations of extravillous trophoblast. Expression by villous syncytiotrophoblast was weak or absent, but this increased markedly by term. GM-CSF-R were also expressed by fetal Hofbauer cells within the mesenchyme of the chorionic villi and by uterine glandular epithelium and decidual macrophages within maternal decidua.

Basic Information

Description

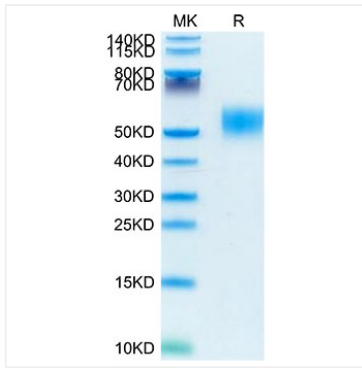
Recombinant Mouse CSF2RA/GM-CSF R alpha/CD116 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Leu30-Pro327) of Mouse CSF2RA fused with His tag at the C-terminus.

Bio-Activity

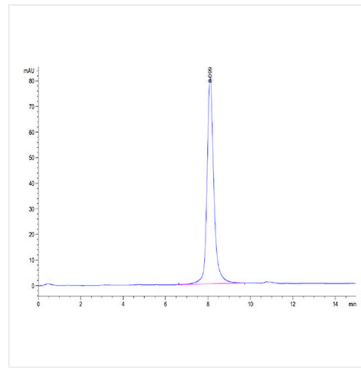
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. 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.

Validation Data



Mouse GM-CSF R alpha on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Mouse GM-CSF R alpha is greater than 95% as determined by SEC-HPLC.