

## Recombinant Human CSF2RA protein, His-Avi-tagged, Biotinylated

**Cat. No.** CSF2RA-509HB    **Lot. No.** (See product label)

### SPECIFICATION

|                          |                                                                                                                                                                                                           |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>  | Biotinylated Recombinant Human CSF2RA protein(P15509-1)(Glu23-Gly320), fused with C-terminal His and Avi tag, was expressed in HEK293.                                                                    |
| <b>Species</b>           | Human                                                                                                                                                                                                     |
| <b>Source</b>            | HEK293                                                                                                                                                                                                    |
| <b>ProteinLength</b>     | Glu23-Gly320                                                                                                                                                                                              |
| <b>Tag</b>               | C-His-Avi                                                                                                                                                                                                 |
| <b>Conjugation/Label</b> | Biotin                                                                                                                                                                                                    |
| <b>Form</b>              | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.                                                                            |
| <b>Bio-activity</b>      | Immobilized Anti-GM-CSF R alpha Antibody, hFc Tag at 1ug/ml (100ul/well) on the plate. Dose response curve for Biotinylated Human GM-CSF R alpha, His Tag with the EC50 of 11.6ng/ml determined by ELISA. |
| <b>Molecular Mass</b>    | The protein has a predicted MW of 37.7 kDa. Due to glycosylation, the protein migrates to 68-75 kDa based on Tris-Bis PAGE result.                                                                        |
| <b>Endotoxin</b>         | Less than 1EU per µg by the LAL method.                                                                                                                                                                   |

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|                       |                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC                                                                                            |
| <b>Storage</b>        | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.                    |
| <b>Reconstitution</b> | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| <b>Conjugation</b>    | Biotin                                                                                                                                                      |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CSF2RA colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage) [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Official Symbol</b> | CSF2RA                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>        | CSF2RA; colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage); CSF2R; granulocyte-macrophage colony-stimulating factor receptor subunit alpha; CD116; GMR-alpha; GMCSFR-alpha; CD116 antigen; GM-CSF receptor alpha subunit; colony stimulating factor 2 receptor alpha subunit; granulocyte-macrophage colony-stimulating factor receptor alpha chain; GMR; SMDP4; CDw116; CSF2RX; CSF2RY; GMCSFR; CSF2RAX; CSF2RAY; MGC3848; MGC4838; GM-CSF-R-alpha; |
| <b>Gene ID</b>         | 1438                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>     | NM_001161529                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>  | NP_001155001                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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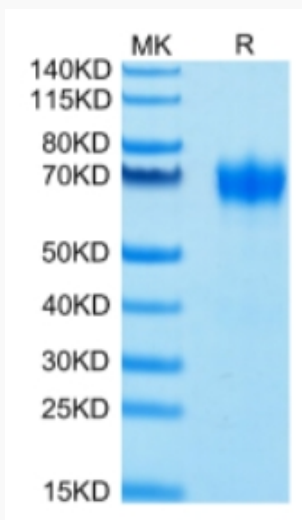
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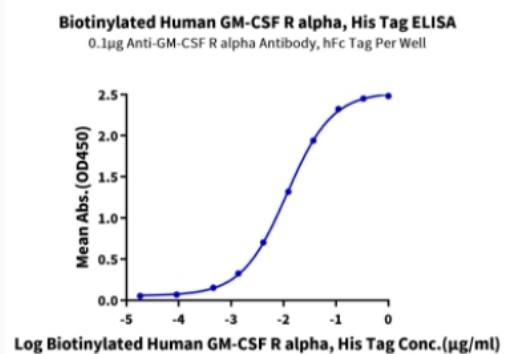
MIM 306250

UniProt ID P15509

Tris-Bis PAGE



ELISA Data



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