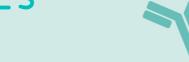
antibodies -online.com







CSF2RA Protein (His-Avi Tag, Biotin)





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Overview

Quantity:	100 μg
Target:	CSF2RA
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CSF2RA protein is labelled with His-Avi Tag,Biotin.

Product Details

Sequence:	Glu23-Gly320	
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC	
Sterility:	0.22 µm filtered	
Endotoxin Level:	Less than 1EU per μg by the LAL method.	
Biological Activity Comment:	Immobilized Anti-GM-CSF R alpha Antibody, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human GM-CSF R alpha, His Tag with the EC50 of 11.3ng/ml determined by ELISA. The affinity constant of 1.68 nM as determined in SPR assay (Biacore T200). See testing image for detail.	

Target Details

Target:	CSF2RA	
Alternative Name:	GM-CSF R alpha (CSF2RA Products)	
Background:	GM-CSF-R-alpha, GMCSFR-alpha, GMR-alpha, CSF2R, CSF2RY, CSF2RA, CDw116, CD116,	

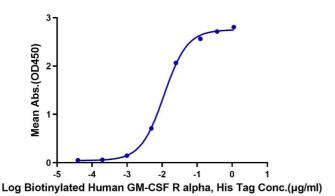
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	CSF2RAX, CSF2RAY, CSF2RX, GMCSFR, GMR, SMDP4,In the first trimester, the GM-CSF-R was
	found to be present on villous cytotrophoblast and all populations of extravillous trophoblast.
	Expression by villous syncytiotrophoblast was weak or absent, but 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.
Molecular Weight:	37.7 kDa. Due to glycosylation, the protein migrates to 68-75 kDa based on Tris-Bis PAGE result.
Pathways:	JAK-STAT Signaling
Application Details	

Restrictions:	For Research Use only
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Handling

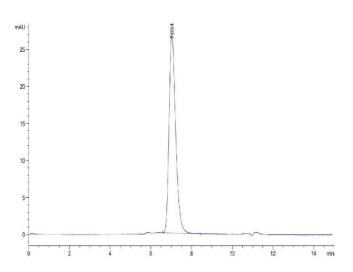
Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	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.
Expiry Date:	12 months

Biotinylated Human GM-CSF R alpha, His Tag ELISA 0.2μg Anti-GM-CSF R alpha Antibody, hFc Tag Per Well



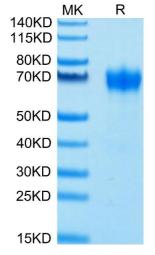
ELISA

Image 1. Immobilized Anti-GM-CSF R alpha Antibody, hFc Tag at $2 \mu g/mL$ (100 $\mu L/well$) on the plate. Dose response curve for Biotinylated Human GM-CSF R alpha, His Tag with the EC50 of 11.3 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human CSF2R is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Biotinylated Human CSF2R on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .

Please check the product details page for more images. Overall 4 images are available for ABIN7274429.