

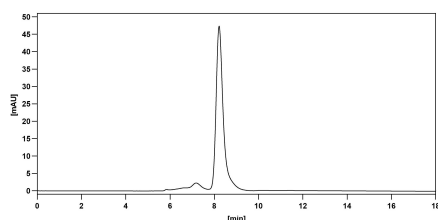
Product Information	
Catalog No.	BS10771
Product name	Anti-Human CD114/CSF3R Reference Antibody (Anumigilimab, RUO)
Applications	ELISA, Bioactivity: FACS, Functional assay, Research in vivo
Species reactivity	Human
Host species	Human
Clonality	Monoclonal
Isotype	IgG4-kappa
Form	Liquid
Storage buffer	0.01M PBS, pH 7.4.
Concentration	2mg/ml
Purity	>95% purity as determined by SDS-PAGE.
Purification	Protein A/G purified from cell culture supernatant.
Target	G-CSF receptor, CSF3R, GCSFR, G-CSF-R, CD114, Granulocyte colony-stimulating factor receptor
Expression system	Mammalian Cells
Accession	Q99062
Endotoxin level	Please contact the lab for this information.
Stability and Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Store at 4°C for short-term storage (1-2 weeks). Store at -20°C for up to 12 months. For long-term storage, store at -80°C.
Alternative Names	CSL324, CSL-324, CSL324, G-CSFR2416593-08-1
Note	For research use only. Not suitable for clinical or therapeutic use.

Background

Balugrastim (CG 10639) is a novel long-acting recombinant granulocyte colony-stimulating factor (G-CSF) obtained by means of a genetic fusion between recombinant human serum albumin and granulocyte colony-stimulating factor. Balugrastim can be used for the research of breast cancer.

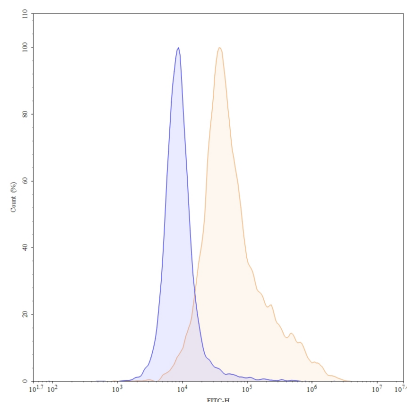
- Characterization of G-CSF receptor expression in medulloblastoma., PMID:32642714
- Gene Expression of CSF3R/CD114 Is Associated with Poorer Patient Survival in Glioma., PMID:38474265
- CSF3R/CD114 mediates infection-dependent transition to severe asthma., PMID:30312710
- Protective Role of Myeloid Cells Expressing a G-CSF Receptor Polymorphism in an Induced Model of Lupus., PMID:29868014

Image Data



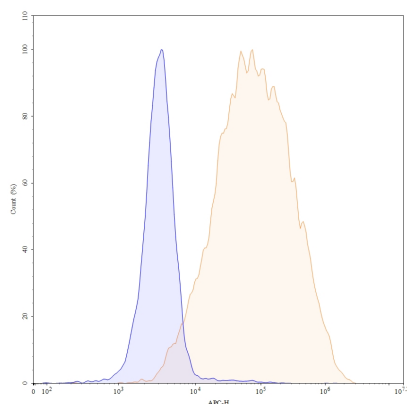
SEC-HPLC

SEC-HPLC detection for Research Grade Anumigilimab.



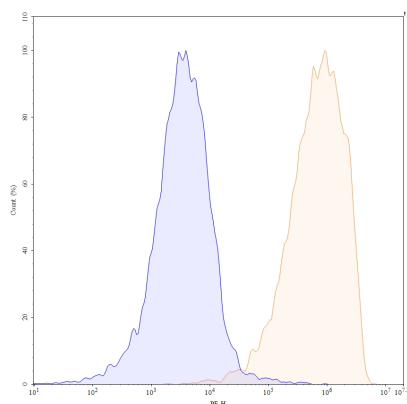
Flow CytoMetry

Flow-cytometry using anti-human CD114 antibody. Untransfected cells (blue Histogram) and Transfected cells (Yellow Histogram) were stained with an anti-human CD114 monoclonal antibody (Catalog: HV643016) at a concentration of 5 $\mu\text{g}/\text{ml}$ for 30 mins at RT. After washing, bound antibody was detected using a Goat Anti-Human IgG H&L Polyclonal Antibody, FITC (abInScience: HF690414) and cells analysed on a NovoCyte Flow Cytometer.



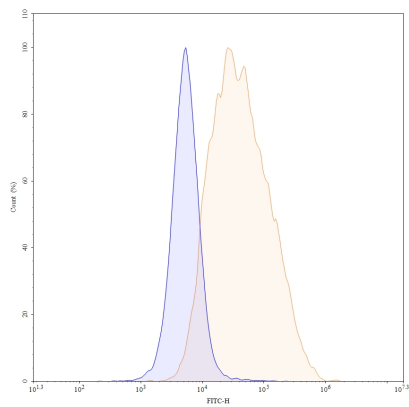
Flow cytometry

Flow-cytometry APC using anti-human CD114 antibody. Untransfected cells (blue Histogram) and Transfected cells (Yellow Histogram) were stained with an APC anti-human CD114 monoclonal antibody (Catalog HV643016) at a concentration of 5 $\mu\text{g}/\text{ml}$ for 30 mins at RT. After washing, cells analysed on a NovoCyte Flow Cytometer.



Flow cytometry

Flow-cytometry PE using anti-human CD114 antibody. Untransfected cells (blue Histogram) and Transfected cells (Yellow Histogram) were stained with an PE anti-human CD114 monoclonal antibody (Catalog HV643016) at a concentration of 5 $\mu\text{g}/\text{ml}$ for 30 mins at RT. After washing, cells analysed on a NovoCyte Flow Cytometer.



Flow cytometry

Flow-cytometry FITC using anti-human CD114 antibody. Untransfected cells (blue Histogram) and Transfected cells (Yellow Histogram) were stained with an FITC anti-human CD114 monoclonal antibody (Catalog HV643016) at a concentration of 5 µg/ml for 30 mins at RT. After washing, cells analysed on a NovoCyte Flow Cytometer.