

Recombinant Human IL-6 (His,AviTag)

Cat.No.:MGC201 size:10µg/50µg/1mg(500µg×2)

Characteristics:

Source	HEK293
Species	Human
Tag	N-His
Description	Recombinant Human IL-6 (Val 30 - Met 212)
Accession#	P05231-1
Predicted molecular mass	~24.1kDa. It is composed of one non-glycosylated polypeptide chain containing 183 amino acids.

Specification:

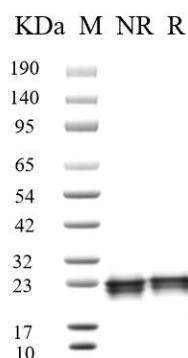
Appearance	White powder, colorless clear liquid after reconstitution
Purity	≥95%,by SDS-PAGE(under reducing(R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	< 0.005 EU/µg
Activity	Immobilized Recombinant Human IL-6 (His Tag) at 3µg/ml (100µl/well) can bind Human IL-6 RA1-hFc with a linear range of 1-21ng/ml.
Formulation	0.2 µm-filtered solution containing PBS with 0.01% Tween 80, trehalose and mannitol, pH 7.4.

Handling and Storage:

Reconstitution	It is recommended to redissolve in sterile deionized water. 细胞因子溶解、稀释、保存可使用即用型专用溶剂套装—PWL240（1mL无菌水+10mL稀释液）
Shipping	Wet ice (seasonal)
Storage & Stability	36 months at -20℃ to -80℃ in lyophilized state 6 months at -20℃ to -80℃ under sterile conditions after reconstitution 7-10 days at 2℃ to 8℃ under sterile conditions after reconstitution Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

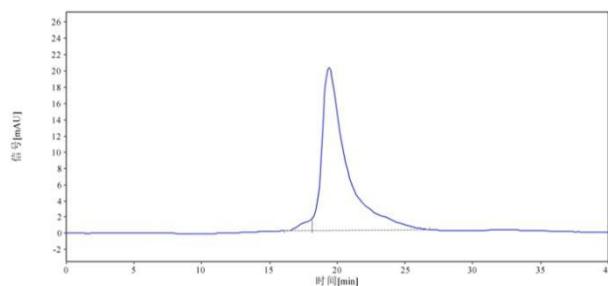
Data:

SDS-PAGE



Recombinant Human IL-6 (Cat. No. MGC201) on SDS-PAGE under non-reducing (NR) and reducing (R) conditions. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

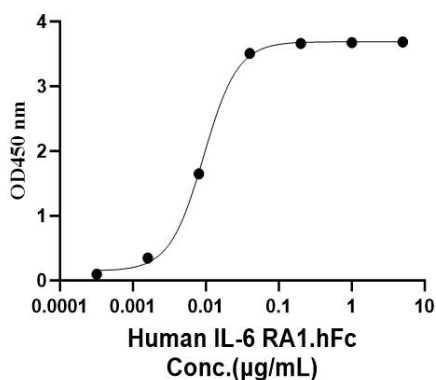
SEC-HPLC



The purity of MGC201 is more than 95% verified by SEC-HPLC.

Bioactivity

Immobilized MGC201 binds to Human IL-6 RA1.hFc



Immobilized Recombinant Human IL-6 at 3μg/ml (100μl/well) can bind Human IL-6 RA1-hFc with a linear range of 1-21ng/ml. The EC_{50} is 0.009320μg/ml.