



# CERTIFICATE OF ANALYSIS

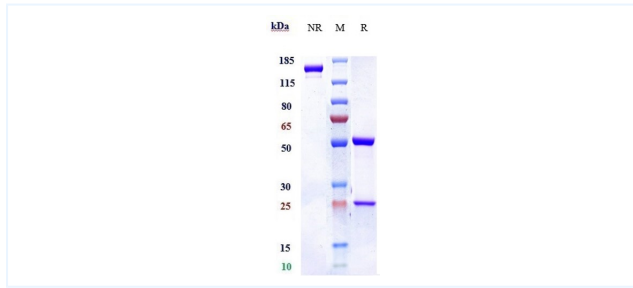


## Product Details

Product name:	Anti-IL-5 Reference Antibody (mepolizumab)	Lot.No.:	P225416
Target:	IL-5	Catalog:	CHA277
Target Accession:	P05113	Concentration :	1 mg/mL
Clonality:	Monoclonal	Isotype:	IgG1
Reactivity:	Human	Molecular Weight (kDa) :	146.24 kDa
Application:	Kinetics (SPR), ELISA, Bioactivity: FACS, Functional assay, Research in vivo	Endotoxin:	<1 EU/mg
Formulation:	Liquid: 100mM Pro-Ac, 20mM Arg pH 5.0   Lyophilization: 25mM histidine, 8% sucrose, 0.01% Tween80 pH6.2	Conjugation:	Unconjugated
Reconstitution:	For Powder, reconstitute with sterile, distilled water to a final concentration of 1 mg/ml. Gently shake to solubilize completely. Do not vortex.	Expression System:	CHO
Storage:	-80°C for 2 years under sterile conditions; -20°C for 1 year under sterile conditions; Avoid repeated freeze-thaw cycles.	Purification:	Protein A

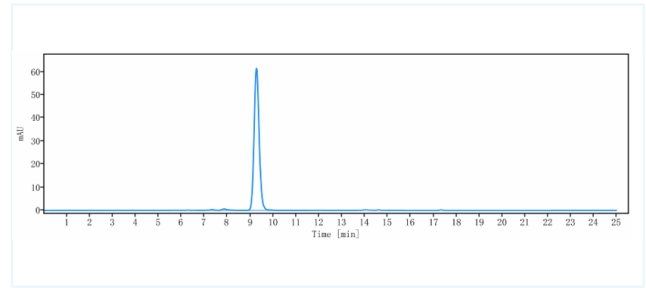
## Data

## Purity: SDS-PAGE



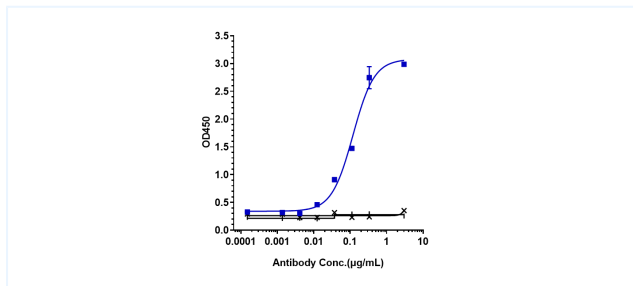
Anti-IL-5 Reference Antibody (mepolizumab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

## Purity: SEC-HPLC



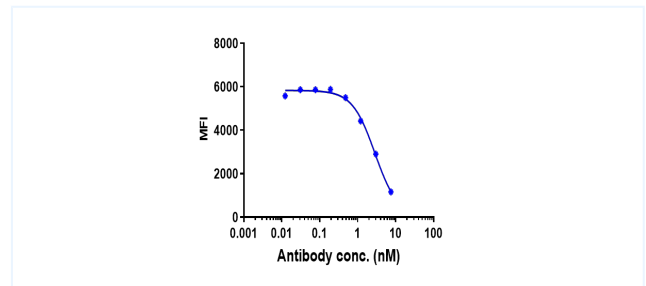
The purity of Anti-IL-5 Reference Antibody (mepolizumab) is 98.47%, determined by SEC-HPLC.

## Bioactivity: ELISA



Immobilized human IL-5 His at 2 µg/mL can bind Anti-IL-5 Reference Antibody (mepolizumab), EC50=0.1188 µg/mL.

## Function: Blocking



Anti-IL-5 Reference Antibody (mepolizumab) FACS Blocking was evaluated using Human IL-5Rβ-FL/HIL-5Rα CHOS. The IC50 was approximately 2.844 µg/mL.

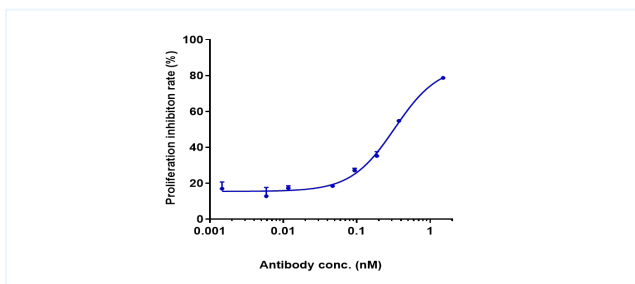
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Function: Proliferation Inhibition



Mepolizumab induced proliferation inhibition activity was evaluated using Human IL-5R $\alpha$  TF-1 . The EC50 was approximately 0.3282 ug/mL.

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