



# CERTIFICATE OF ANALYSIS

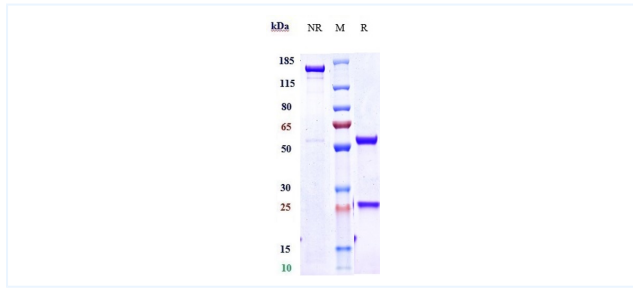


## Product Details

Product name:	Anti-IL-4Ra / CD124 Reference Antibody (dupilumab)	Lot.No.:	P72053
Target:	IL-4 R alpha / CD124	Catalog:	CHA276
Target Accession:	P24394	Concentration :	1 mg/mL
Clonality:	Monoclonal	Isotype:	IgG4SP
Reactivity:	Human, Mouse, Cynomolgus	Molecular Weight (kDa) :	150 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

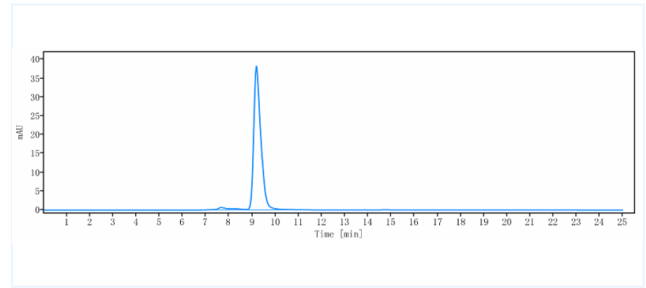
## Data

## Purity: SDS-PAGE



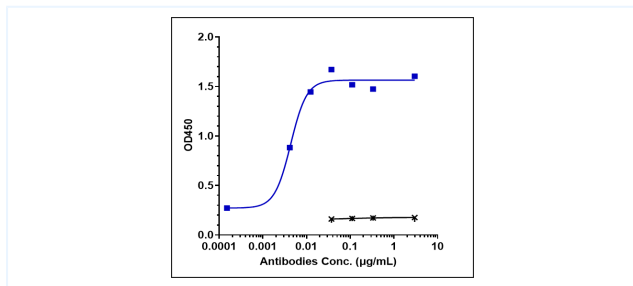
Anti-IL-4Ra / CD124 Reference Antibody (dupilumab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

## Purity: SEC-HPLC



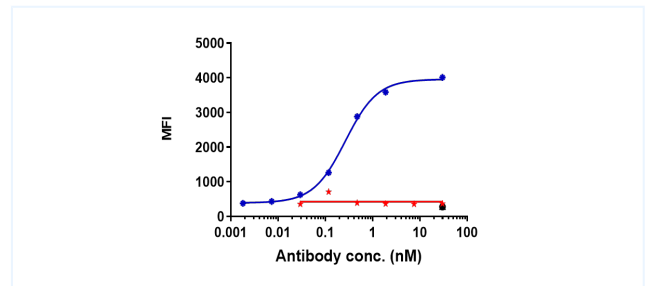
The purity of Anti-IL-4Ra / CD124 Reference Antibody (dupilumab) is 96.86%, determined by SEC-HPLC.

## Bioactivity: ELISA



Immobilized human IL4RA His at 2 ug/mL can bind Anti-IL-4Ra / CD124 Reference Antibody (dupilumab), EC50=0.004327 ug/mL.

## Bioactivity: FACS



Human IL-4Ra / CD124 HEK293 Cell Line were stained with dupilumab and negative control protein respectively, washed and then followed by FITC and analyzed with FACS, EC50=0.227 nM.

The products are for research use only. Not for use in diagnostic procedures.