10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-IL-4Ra / CD124 Reference Antibody (dupilumab)

Recombinant Antibody
Catalog # APR10251

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P24394
Reactivity	Cynomolgus, Human, Mouse
Clonality	Monoclonal
Isotype	IgG4SP
Calculated MW	89658

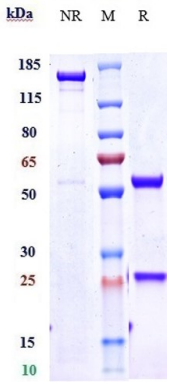
Additional Information

Target/Specificity	IL-4Ra / CD124
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

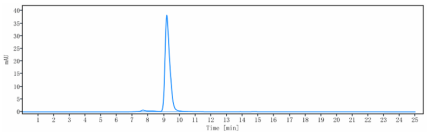
Protein Information

Name	IL4R
Synonyms	IL4RA
Function	Receptor for both interleukin 4 and interleukin 13 (PubMed: 17030238). Couples to the JAK1/2/3-STAT6 pathway. The IL4 response is involved in promoting Th2 differentiation. The IL4/IL13 responses are involved in regulating IgE production and, chemokine and mucus production at sites of allergic inflammation. In certain cell types, can signal through activation of insulin receptor substrates, IRS1/IRS2.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Isoform 1 and isoform 2 are highly expressed in activated T-cells

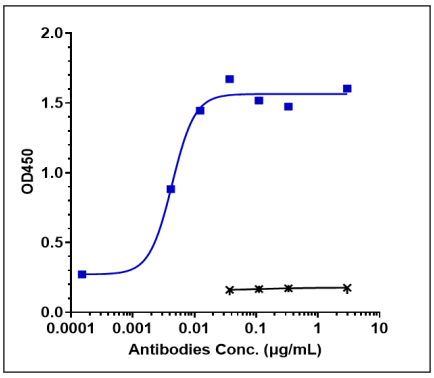
Images



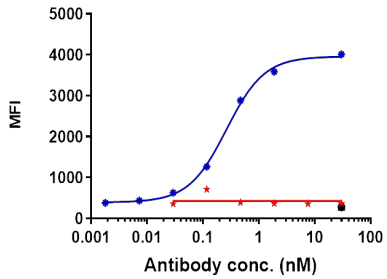
SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



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



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



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.