

Anti-IL-3Ra / CD123 Reference Antibody (Pivekimab)

Catalog # APR11199

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P26951
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	43330

Additional Information

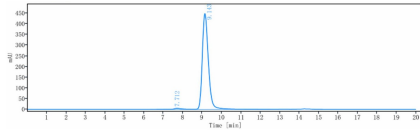
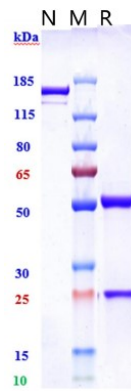
Target/Specificity	IL-3Ra / CD123
Expression system	CHO

Protein Information

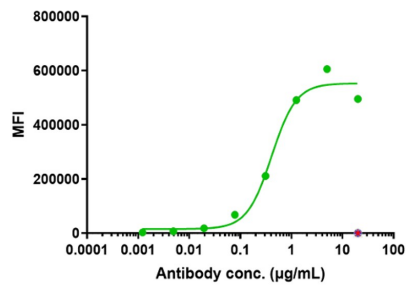
Name	IL3RA (HGNC:6012)
Synonyms	IL3R
Function	Cell surface receptor for IL3 expressed on hematopoietic progenitor cells, monocytes and B-lymphocytes that controls the production and differentiation of hematopoietic progenitor cells into lineage-restricted cells (PubMed: 10527461). Ligand stimulation rapidly induces heterodimerization with IL3RB, phosphorylation and enzyme activity of effector proteins such as JAK2 and PI3K that play a role in signaling cell proliferation and differentiation. Activation of JAK2 leads to STAT5-mediated transcriptional program (By similarity).
Cellular Location	Cell membrane; Single-pass type I membrane protein

Images

Anti-IL-3Ra / CD123 Reference Antibody (Pivekimab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-IL-3Ra / CD123 Reference Antibody (Pivekimab) is 98.13%, determined by SEC-HPLC.



HuIL-3Rα-huCSF2RB-FL HEK293 cell line were stained with Pivekimab and negative control protein respectively, washed and then followed by PE and analyzed with FACS, with the EC50 is 0.41 µg/mL.

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