

IL4R/CD124 Active Protein | IL4R active protein

Recombinant Human IL4R/CD124 Protein

CATALOG #
AAA281424

HOST
HEK293 Cells

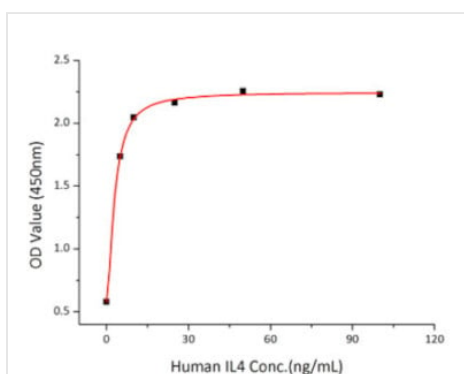
PRODUCT SYNONYMS

IL4R/CD124; Recombinant Human IL4R/CD124 Protein; CD124; IL-4RA; IL4RA; IL4R active protein

PRODUCT SPECIFICATIONS

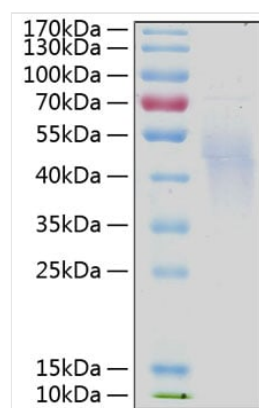
Host	HEK293 Cells
Purity/Purification	>87% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Sequence Length	825
Species	Human
Endotoxin	< 0.1 EU/ug of the protein by LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized recombinant human IL4R at 2 ug/mL (100 uL/well) can bind recombinant human IL4. The ED50 of recombinant human IL4R is 2-4 ng/mL.
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
Tag	C-6xHis
Preparation and Storage	Store the lyophilized protein at -20 degree C to -80 degree C for long term. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week. Avoid repeated freeze-thaw cycles.

IMAGES



Application Data

Immobilized recombinant human IL4R at 2 ug/mL (100 uL/well) can bind recombinant human IL4. The ED50 of recombinant human IL4R is 2-4 ng/mL.



SDS-PAGE

Recombinant Human IL4R/CD124 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 42-52kDa.

ADDITIONAL INFORMATION

Related Product Information for IL4R active protein	Description: Recombinant Human IL4R/CD124 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly24-His232) of human IL4R/CD124 (Accession #NP_000409.1) fused with a 6xHis tag at the C-terminus. Background: This protein is alpha chain of the interleukin-4 receptor, a type I transmembrane protein that can bind interleukin 4 and interleukin 13 to regulate IgE production. The encoded protein also can bind interleukin 4 to promote differentiation of Th2 cells. A soluble form of the encoded protein can be produced by proteolysis of the membrane-bound protein, and this soluble form can inhibit IL4-mediated cell proliferation and IL5 upregulation by T-cells.
Product Categories/Family for IL4R active protein	Cytokines & Cytokine Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557669
NCBI GeneID	3566
NCBI Accession #	NP_000409.1
NCBI GenBank Nucleotide #	NP_000409.1
UniProt Accession #	P24394
NCBI Official Full Name	interleukin-4 receptor subunit alpha isoform a
NCBI Official Synonym Full Names	interleukin 4 receptor
NCBI Official Symbol	IL4R
NCBI Official Synonym Symbols	CD124; IL4RA; IL-4RA
NCBI Protein Information	interleukin-4 receptor subunit alpha
UniProt Protein Name	Interleukin-4 receptor subunit alpha
UniProt Gene Name	IL4R
UniProt Synonym Gene Names	IL4RA; IL-4 receptor subunit alpha; IL-4R subunit alpha; IL-4R-alpha; IL-4RA; Soluble IL-4 receptor subunit alpha; Soluble IL-4R-alpha; sIL4Ralpha/prot; IL4-BP
UniProt Entry Name	IL4RA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/hek293-active-protein/il4r-cd124/281424>