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Datasheet for ABIN7196569
IL4 Receptor Protein (His tag)

1 Image

Overview

Quantity:	50 µg
Target:	IL4 Receptor (IL4R)
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL4 Receptor protein is labelled with His tag.

Product Details

Purpose:	Recombinant Rat IL4RA/CD124 Protein (His Tag)(Active)
Sequence:	Met1-Arg232
Characteristics:	A DNA sequence encoding the rat IL4R (Q63257-1) (Met1-Arg232) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method
Biological Activity Comment:	Measured by its ability to bind biotinylated mouse IL4-His in a functional ELISA.

Target Details

Target:	IL4 Receptor (IL4R)
Alternative Name:	IL4RA/CD124 (IL4R Products)

Target Details

Background: Background: The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD124, also known as interleukin 4 receptor (IL4R), is a tyep1 transmembrane protein that can regulate IgE antibody production in B cells through binding to interleukin 4 and interleukin 13 and promote differentiation of Th2 cells through binding to interleukin 4. The membrane-bound form of CD124 can be hydrolyzed to soluble form which can inhibit IL4-mediated cell proliferation and IL5 upregulation by T-cells.
Synonym: IL4R,IL4ra

Molecular Weight: 25.3 kDa

Pathways: [JAK-STAT Signaling](#), [Positive Regulation of Immune Effector Process](#)

Application Details

Restrictions: For Research Use only

Handling

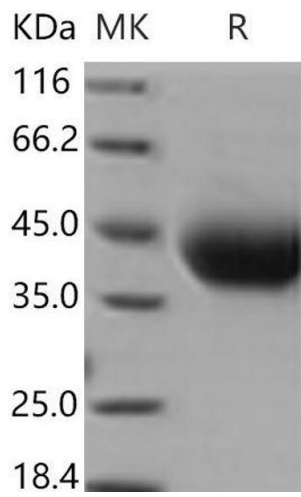
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.