

Datasheet for ABIN7320981
IL4 Receptor Protein (His tag)

1 Image

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Overview

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

Product Details

Purpose:	Recombinant Cynomolgus Interleukin-4 Receptor Subunit Alpha/IL-4 Rα Protein (His Tag)
Sequence:	Met26-Arg232
Characteristics:	Recombinant Cynomolgus IL-4 Rα is produced by our Mammalian expression system and the target gene encoding Met26-Arg232 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human IL-4(Cat: PKSH033456) at 10µg/ml(100 µl/well) can bind Human IL-4Rα-His. The ED50 of Human IL-4Rα-His is 7µg/mL.

Target Details

Target:	IL4 Receptor (IL4R)
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Target Details

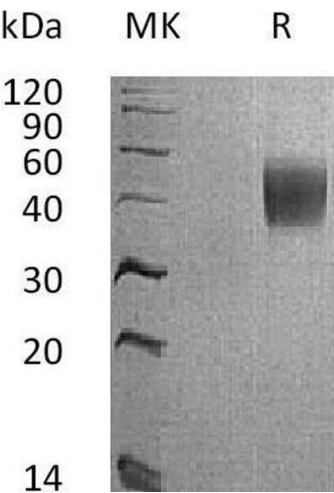
Alternative Name:	Interleukin-4 Receptor Subunit Alpha/IL-4 Ralpha (IL4R Products)
Background:	<p>Background: Interleukin-4 receptor subunit alpha(IL-4RA), also known as Soluble IL-4 receptor subunit alpha, belongs to the type I cytokine receptor family and type 4 subfamily. It is expressed in both Th1 and Th2 cells. It functions as a receptor for both interleukin 4 and interleukin 13 and 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, IL-4RA can signal through activation of insulin receptor substrates, IRS1/IRS2. The functional IL4 receptor is formed by initial binding of IL4 to IL4R. Subsequently it recruits to the complex of the common gamma chain. In immune cells, IL-4RA creates a type I receptor. In non-immune cells, it forms a type II receptor with IL13RA1. IL4R can also interact with the IL13/IL13RA1 complex to form a similar type II receptor and interacts with the SH2-containing phosphatases, PTPN6/SHIP1, PTPN11/SHIP2 and INPP5D/SHIP.</p> <p>Synonym: Interleukin-4 receptor subunit alpha,IL-4R-alpha,CD124,IL4-BP,Soluble IL-4R-alpha</p>
Molecular Weight:	24.6 kDa
UniProt:	G7Q0S7
Pathways:	JAK-STAT Signaling , Positive Regulation of Immune Effector Process

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>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.</p>



Western Blotting

Image 1.