

Datasheet for ABIN7320921
IL4 Receptor Protein (His tag)[Go to Product page](#)

1 Image

Overview

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

Product Details

Purpose:	Recombinant Mouse IL-4RA (C-6His)
Sequence:	Ile26-Arg233
Characteristics:	Recombinant Mouse Interleukin-4 receptor subunit alpha is produced by our Mammalian expression system and the target gene encoding Ile26-Arg233 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.

Target Details

Target:	IL4 Receptor (IL4R)
Alternative Name:	IL-4RA (IL4R Products)
Background:	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 expressed

Target Details

in both Th1 and Th2 cells. It functions as 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 of 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.

Synonym: Interleukin-4 receptor subunit alpha, IL-4R-alpha, CD124, IL4-BP, Soluble IL-4R-alpha

Molecular Weight: 25.2 kDa

UniProt: [P16382](#)

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

Application Details

Restrictions: For Research Use only

Handling

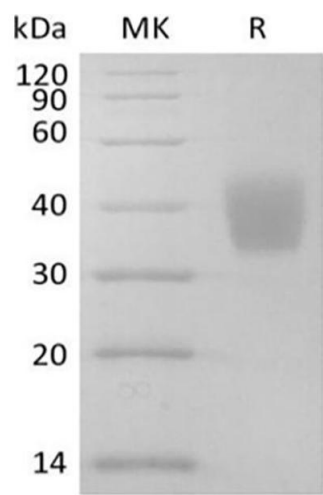
Format: Lyophilized

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

Buffer: Lyophilized from a 0.2 µm filtered solution of 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.