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## **IL3RA Protein (Fc Tag)**





#### Overview

Quantity:	50 μg
Target:	IL3RA
Origin:	Cynomolgus
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL3RA protein is labelled with Fc Tag.

#### **Product Details**

Purpose:	Recombinant Cynomolgus IL-3 Receptor Subunit Alpha/IL-3RA/CD123 (C-Fc)
Sequence:	Arg18-Arg302
Characteristics:	Recombinant Cynomolgus Interleukin-3 Receptor Subunit Alpha is produced by our Mammalian expression system and the target gene encoding Arg18-Arg302 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:	IL3RA
Alternative Name:	IL-3 Receptor Subunit Alpha/IL-3RA/CD123 (IL3RA Products)
Background:	Background: CD123, also known as Interleukin-3 receptor subunit alpha, belongs to the type I
	cytokine receptor family. In mouse, there are two classes of high-affinity IL3 receptors. One

contains an IL3-specific beta subunit and the other contains the beta subunit also shared by high-affinity IL5 and GM-CSF receptors. CD123 stimulates the proliferation and differentiation of hemopoietic cells including the pluripotent hematopoietic stem cells as well as various lineage-committed cells. CD123 is a heterodimer consisting of an alpha and a beta subunit. The alpha subunit alone binds IL-3 with low affinity. The beta subunit does not bind IL-3 by itself but is required for the high-affinity binding of IL-3 to the heterodimeric receptor complex. Synonym: Interleukin-3 receptor subunit alpha, IL-3 receptor subunit alpha, IL-3R subunit alpha, IL-3R-alpha, IL-3RA, CD123

Molecular Weight: 33.6 kDa

UniProt: G8F3K3

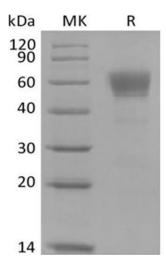
Pathways: JAK-STAT Signaling

#### **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.