# antibodies .- online.com







### IL5RA Protein (AA 18-339) (His tag)

**Images** 



#### Overview

Quantity:	100 μg
Target:	IL5RA
Protein Characteristics:	AA 18-339
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL5RA protein is labelled with His tag.

#### **Product Details**

Purpose:	Mouse IL-5 R alpha/CD125 Protein
Sequence:	Asp18-His339
Characteristics:	Recombinant Mouse IL-5 R alpha/CD125 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Asp18-His339.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 0.495 $\mu M$ as determined in SPR assay (Biacore T200). See testing image for detail.

#### **Target Details**

Target:	IL5RA
Alternative Name:	IL-5 R alpha (IL5RA Products)
Background:	Interleukin-5 Receptor alpha (IL-5 R alpha), also known as CD125, is a 60 kDa hematopoietin receptor that plays a dominant role in eosinophil biology. This is the receptor for interleukin-5. The alpha chain binds to IL5.
Molecular Weight:	37.7 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result.
UniProt:	P21183
Pathways:	JAK-STAT Signaling

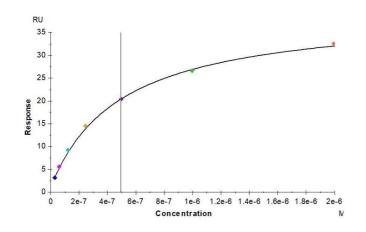
#### **Application Details**

|--|--|

#### Handling

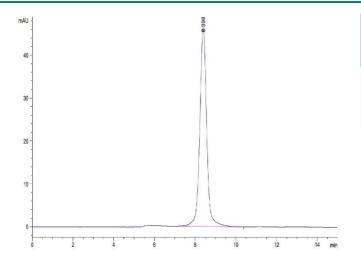
Format:	Liquid
Buffer:	Supplied as 0.22µm filtered solution in 20 mM Tris, 500 mM NaCl (pH 7.4).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

#### **Images**



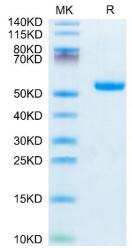
#### **Surface Plasmon Resonance**

**Image 1.** Mouse IL-5 R alpha, His Tag immobilized on CM5 Chip can bind Mouse IL-5, His Tag with an affinity constant of 0.495  $\mu$ M as determined in SPR assay (Biacore T200).



## Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Mouse IL-5 R alpha is greater than 95 % as determined by SEC-HPLC.



#### **SDS-PAGE**

Image 3. Mouse IL-5 R alpha on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .