

Datasheet for ABIN7013699
IL-5 Protein (AA 20-134) (His tag)

2 Images

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Overview

Quantity:	50 µg
Target:	IL-5 (IL5)
Protein Characteristics:	AA 20-134
Origin:	Rabbit
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL-5 protein is labelled with His tag.

Product Details

Characteristics:	Rabbit IL-5 Protein, His Tag
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	IL-5 (IL5)
Alternative Name:	IL-5 (IL5 Products)
Background:	Interleukin 5 (IL5) is an interleukin produced by type-2 T helper cells and mast cells. IL-5 is a 115-amino acid (in human, 133 in the mouse) -long TH2 cytokine that is part of the hematopoietic family. Unlike other members of this cytokine family (namely interleukin 3 and GM-CSF), this glycoprotein in its active form is a homodimer. Interleukin-5 has long been

Target Details

associated with the cause of several allergic diseases including allergic rhinitis and asthma, wherein a large increase in the number of circulating, airway tissue, and induced sputum eosinophils have been observed. Given the high concordance of eosinophils and, in particular, allergic asthma pathology, it has been widely speculated that eosinophils have an important role in the pathology of this disease. Drugs that target IL-5 are mepolizumab and reslizumab.

Molecular Weight: 15.2 kDa

Pathways: [JAK-STAT Signaling](#), [Positive Regulation of Peptide Hormone Secretion](#), [Production of Molecular Mediator of Immune Response](#), [Feeding Behaviour](#)

Application Details

Restrictions: For Research Use only

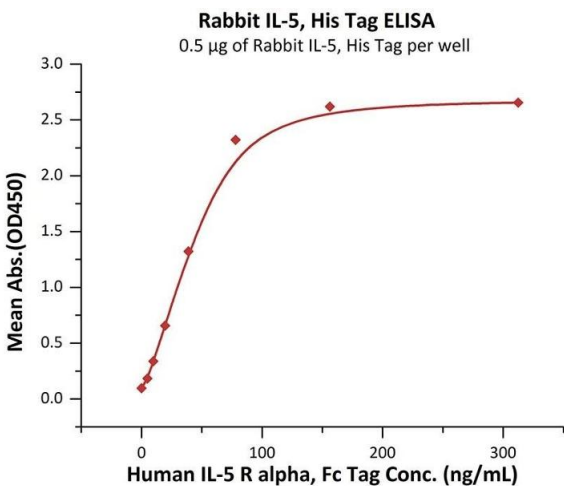
Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

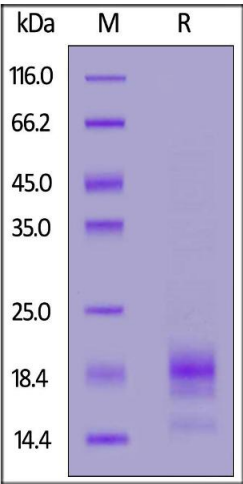
Storage: -20 °C

Images



ELISA

Image 1. Immobilized Rabbit IL-5, His Tag (ABIN6973127) at 5 µg/mL (100 µL/well) can bind Human IL-5 R alpha, Fc Tag (ABIN6923185, ABIN6938892) with a linear range of 2-78 ng/mL (QC tested).



SDS-PAGE

Image 2. Rabbit IL-5, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .