

Datasheet for ABIN7321197

**IL-25 Protein (Fc Tag)****1** Image[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	IL-25 (IL25)
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL-25 protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant Rat Interleukin-25/IL-25 Protein (Fc Tag)(Active)
Sequence:	Val17-Ala169
Characteristics:	A DNA sequence encoding the rat IL25 (D3ZLB1) (Val17-Ala169) was expressed, fused with Fc region of human IgG1 at the N-terminus.
Purity:	> 85 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized mouse IL17BR-His at 10 µg/mL (100 µl/well) can bind rat Fc-IL25. The EC50 of rat Fc-IL25 is 0.12-0.27 µg/mL.

## Target Details

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## Target Details

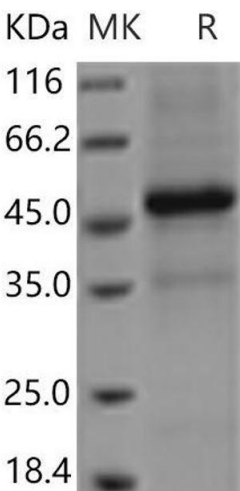
Alternative Name:	Interleukin-25/IL-25 ( <a href="#">IL25 Products</a> )
Background:	<p>Background: Interleukin-25 (IL-25) is a cytokine that shares sequence similarity with interleukin 17. This cytokine can induce NF-kappaB activation, and stimulate the production of interleukin 8. Both this cytokine and interleukin 17B are ligands for the cytokine receptor IL17BR. IL-25 is a member of the IL-17 family of cytokines. However, unlike the other members of this family, IL-25 promotes T helper (Th) 2 responses. IL-25 also regulates the development of autoimmune inflammation mediated by IL-17-producing T cells. IL-25 and IL-17, being members of the same cytokine family, play opposing roles in the pathogenesis of organ-specific autoimmunity. IL-25 promotes cell expansion and Th2 cytokine production when Th2 central memory cells are stimulated with thymic stromal lymphopoietin (TSLP)-activated dendritic cells (DCs), homeostatic cytokines, or T cell receptor for antigen triggering. Elevated expression of IL-25 and IL-25R transcripts was observed in asthmatic lung tissues and atopic dermatitis skin lesions, linking their possible roles with exacerbated allergic disorders. A plausible explanation that IL-25 produced by innate effector eosinophils and basophils may augment the allergic inflammation by enhancing the maintenance and functions of adaptive Th2 memory cells had been provided.</p> <p>Synonym: IL25</p>
Molecular Weight:	46.1 kDa
UniProt:	<a href="#">D3ZLB1</a>

## 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 sterile 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 &lt; -20°C for 3 months.</p>



Western Blotting

Image 1.