

Datasheet for ABIN7454147

IL-10 Protein (AA 19-178) (His tag)



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Overview

Quantity:	100 µg
Target:	IL-10 (IL10)
Protein Characteristics:	AA 19-178
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-10 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus IL-10 Protein
Sequence:	Ser19-Asn178
Characteristics:	Recombinant Cynomolgus IL-10 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Ser19-Asn178.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 0.93 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	IL-10 (IL10)
Alternative Name:	IL-10 (IL10 Products)
Background:	Interleukin 10 (IL10) is a key anti-inflammatory cytokine that can inhibit proinflammatory responses of both innate and adaptive immune cells. An association between IL10 and intestinal mucosal homeostasis became clear with the discovery that IL10 and IL10 receptor (IL10R)-deficient mice develop spontaneous intestinal inflammation. Similarly, patients with deleterious mutations in IL10, IL10RA, or IL10RB present with severe enterocolitis within the first months of life.
Molecular Weight:	19.78 kDa. Due to glycosylation, the protein migrates to 20-22 kDa based on Tris-Bis PAGE result.
UniProt:	G7NVB0
Pathways:	Cellular Response to Molecule of Bacterial Origin , Regulation of Leukocyte Mediated Immunity , Production of Molecular Mediator of Immune Response , Maintenance of Protein Location , Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months