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Datasheet for ABIN7504431

IL-10RA Protein (AA 22-235) (Biotin)

Overview

Quantity:	100 µg
Target:	IL-10RA (IL10RA)
Protein Characteristics:	AA 22-235
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-10RA protein is labelled with Biotin.

Product Details

Purpose:	Biotinylated Human IL-10 R alpha Protein
Sequence:	His22-Asn235
Characteristics:	Recombinant Biotinylated Human IL-10 R alpha Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains His22-Asn235.
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.

Target Details

Target:	IL-10RA (IL10RA)
Alternative Name:	IL-10R alpha (IL10RA Products)

Target Details

Background:	The interleukin-10 receptor alpha (IL10RA) gene codes for the alpha chain of the IL-10 receptor which binds the cytokine IL-10. IL-10 is an anti-inflammatory cytokine with immunoregulatory function during the pathogenesis of many inflammatory disorders in livestock, including Johne's disease (JD). JD is a chronic enteritis in cattle caused by Mycobacterium avium subsp. paratuberculosis (MAP) and is responsible for significant economic losses to the dairy industry. Several candidate genes including IL10RA have been found to be associated with JD.
Molecular Weight:	27 kDa. Due to glycosylation, the protein migrates to 42-60 kDa based on Tris-Bis PAGE result.
UniProt:	Q13651
Pathways:	Growth Factor Binding

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 0.22 µm 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