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Datasheet for ABIN6253266
IL-10 Protein (AA 19-178) (His tag)

Overview

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

Product Details

Purpose:	IL-10 (human) (rec.) (His)
Specificity:	Human IL-10 (aa 19-178) is fused at the C-terminus to a His-tag.
Characteristics:	Protein. Human IL-10 (aa 19-178) is fused at the C-terminus to a His-tag. Source: HEK 293 cells. Endotoxin content: <0.01EU/µg protein (LAL test, Lonza). Lyophilized from 0.2µm-filtered solution in PBS. Purity: >95 % (SDS-PAGE). Interleukin-10 (IL-10) is a cytokine produced by activated Th2 cells, B cells, keratinocytes and monocytes/macrophages. In vitro murine and human IL-10 inhibits cytokine synthesis by Th1 cells, natural killer cells and monocytes/macrophages. Several studies have suggested the potential application of IL-10 as an anti-inflammatory agent in the treatment of septic shock and as an immunosuppressive agent in certain T cell mediated autoimmune diseases.
Purity:	>95 % (SDS-PAGE)

Product Details

Endotoxin Level:	<0.01EU/μg protein (LAL test, Lonza).
Biological Activity Comment:	Determined by the dose-dependent co-stimulation (with human IL-4) of MC/9 cells. The ED50 was found to be < 2.0 ng/ml, corresponding to a specific activity of > 5 x 10 ⁵ units/mg.

Target Details

Target:	IL-10 (IL10)
Alternative Name:	IL-10 (IL10 Products)
Background:	<p>Alternate Names/Synonyms: Interleukin-10, Cytokine Synthesis Inhibitory Factor, CSIF</p> <p>Product Description: Interleukin-10 (IL-10) is a cytokine produced by activated Th2 cells, B cells, keratinocytes and monocytes/macrophages. In vitro murine and human IL-10 inhibits cytokine synthesis by Th1 cells, natural killer cells and monocytes/macrophages. Several studies have suggested the potential application of IL-10 as an anti-inflammatory agent in the treatment of septic shock and as an immunosuppressive agent in certain T cell mediated autoimmune diseases.</p>
Molecular Weight:	~18kDa (SDS-PAGE)
NCBI Accession:	NP_000563
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
Concentration:	Lot specific
Buffer:	Lyophilized from 0.2μm-filtered solution in PBS.
Handling Advice:	Avoid freeze/thaw cycles. PBS containing at least 0.1 % BSA should be used for further dilutions.
Storage:	4 °C, -20 °C
Storage Comment:	Short Term Storage: +4°C

Handling

Long Term Storage: -20°C

Use & Stability: Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.