

Datasheet for ABIN2018048  
**IL-10 Protein (AA 19-178)**



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## Overview

Quantity:	50 µg
Target:	IL-10 (IL10)
Protein Characteristics:	AA 19-178
Origin:	Rat
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

## Product Details

Characteristics:	ED50 <8 µg /mL, measured in a bioassay using C6 cells.
Purity:	> 95 % as analyzed by SDS-PAGE and HPLC.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

## Target Details

Target:	IL-10 (IL10)
Alternative Name:	Interleukin-10 (IL-10) ( <a href="#">IL10 Products</a> )
Background:	Interleukin-10 (IL-10), initially known as Cytokine Synthesis Inhibitory Factor (CSIF), belongs to the IL-10 family and shares more than 80 % sequence homology with the Epstein-Barr Virus protein BCRF1. It is produced by many immune cells, such as T-cells, macrophages, mast cells and dendritic cells. It is usually secreted as a homodimer and, upon binding to its receptor, inhibits the synthesis of a number of cytokines, including IFN-gamma, IL-2, IL-3, TNF and GM-

### Target Details

	<p>CSF produced by activated macrophages and Th2 cells. It also displays the ability to suppress Antigen-Presenting Cell (APC) function. The net effect of Interleukin-10 appears to be inhibitory, however, stimulatory effects, such as stimulation of B cell maturation and antibody production, are also reported.</p> <p>Synonyms: B-TCGF, CSIF, TGIF</p>
Molecular Weight:	8-22 kDa, observed by reducing SDS-PAGE.
UniProt:	<a href="#">P29456</a>
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Maintenance of Protein Location</a> , <a href="#">Cancer Immune Checkpoints</a>

### Application Details

Restrictions:	For Research Use only
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### Handling

Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O or PBS at 100 µg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant rat Interleukin-10(IL-10) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Rat Interleukin-10 should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Expiry Date:	6 months