

Datasheet for ABIN2018045
IL-10 Protein (AA 19-178)



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Overview

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

Product Details

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|------------------|---|
| Characteristics: | ED50 <0.2 ng/mL, measured in a cell proliferation assay using MC/9 cells. |
| Purity: | > 95 % as analyzed by SDS-PAGE and HPLC. |
| Endotoxin Level: | < 0.2 EU/µg, determined by LAL method. |

Target Details

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| Target: | IL-10 (IL10) |
| Alternative Name: | Interleukin-10 (IL-10) (IL10 Products) |
| 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

CSF, 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.

Synonyms: B-TCGF, CSIF, TGIF

Molecular Weight: 21-23 kDa, observed by reducing SDS-PAGE.

UniProt: [P18893](#)

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

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 murine Interleukin-10 remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, murine Interleukin-10 should be stable up to 1 week at 4°C or up to 2 months at -20°C.

Expiry Date: 6 months