

Recombinant Human IL-10

Cat. #: SI10-010

Product Specifications

- Expression of Human Proteins in Human Cells
- Extremely Low Endotoxin Level
- High Purity
- Animal Free and Xeno Free
- Tag Free

Protein Description

Interleukin 10 (IL-10) is a member of the IL-10 family of α -helical cytokines. IL-10 is an immunosuppressive cytokine produced by a variety of mammalian cell types including macrophages, monocytes, T cells, B cells and keratinocytes. IL-10 inhibits the expression of a number of proinflammatory cytokines such as IFN- γ , IL-2, IL-3, TNF and GM-CSF. Like IL-4, IL-10 enhances humoral immune responses and attenuates cell-mediated immune reactions.

References

Gesser B, et al. (1997) Proc. Natl. Acad. Sci. USA 94,14620-14625.

Sabat R, et al. (2010) Cytokine Growth Factor Rev. 21, 331.

Source: Derived from human cells

Size: 10 μ g

Shipping: Ambient temperature

Structure: Glycosylated monomer

Purity: >95% by SDS-PAGE

Endotoxin Level: <0.5 EU/ μ g

Molecular Weight: 17 kDa

Formulation: Lyophilized from a 0.2 μ m filtered solution in PBS without carrier protein

Activity Assay

Activity was measured by its ability to stimulate the proliferation of MC/9-2 cells (mouse master cell line).

Reconstitution

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

Stability and Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80° C as supplied. 1 month, 2 to 8° C under sterile conditions after reconstitution. 3 months, -20 to -80° C under sterile conditions after reconstitution.

