

Datasheet for 009-001-V47-0010**rHuman IL-10 Protein****Overview**

Description:	Human Interleukin-10 Recombinant Protein - 009-001-V47-0010
Item No.:	009-001-V47-0010
Size:	10 µg
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	Interleukin 10 (IL-10) is an anti-inflammatory cytokine mainly produced by macrophages and Th2 cells. IL-10 functions by inhibiting pro-inflammatory cytokines made by macrophages and regulatory T cells including, IFN- γ , TNF- α , IL-2, and IL-3, IL-4, and GM-CSF. IL-10 is also known to suppress antigen presentation on antigen presenting cells. While human IL-10 can act on murine cells, murine IL-10 cannot act on human cells. Recombinant human IL-10 is a non-glycosylated protein, containing 161 amino acids, with a molecular weight of 16.6 kDa.
Synonyms:	B-TCGF, Cytokine synthesis inhibitory factor (CSIF), TGIF
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein
Low Endotoxin:	Yes

Target Details

Gene Name:	IL10
Purity/Specificity:	Interleukin-10 purity was determined to be greater than 90% as determined by reducing and non-reducing SDS-pAGE.
Relevant Links:	• UniProtKB - P22301

Application Details

Application Note:	Human Interleukin-10 Recombinant Protein is suitable as a control for polyclonal or monoclonal anti-Human Interleukin-10 in immunological assays.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
Other:	Endotoxin Level: Measured by kinetic LAL analysis and is typically ≤ 1 EU/ μ g protein. Biologic Activity: The activity is determined by the dose-dependant proliferation of mouse MC-9 cells and is typically less than 0.5 ng/mL.

Formulation

Physical State:	Lyophilized
Concentration:	0.1 mg/ml
Buffer:	0.01 M Sodium Phosphate, pH 7.5
Preservative:	None
Stabilizer:	None
Reconstitution Volume:	10 μ l (10-100 μ l)
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at -20° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.
Expiration:	Expiration date is six (6) months from date of receipt.

Disclaimer

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