

IL10 active protein

Recombinant Mouse IL10

CATALOG #
AAA214314

HOST
E Coli

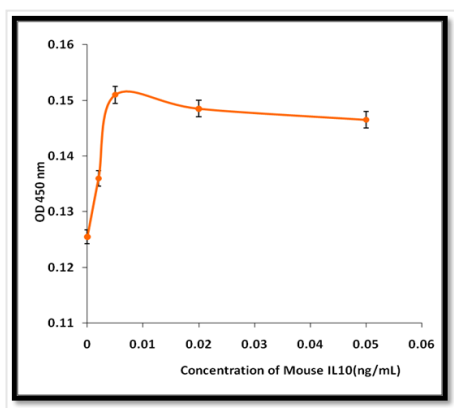
PRODUCT SYNONYMS

IL10; Recombinant Mouse IL10; IL-10; Cytokine synthesis inhibitory factor; CSIF; Recombinant Mouse Interleukin-10 (IL10); IL10 active protein

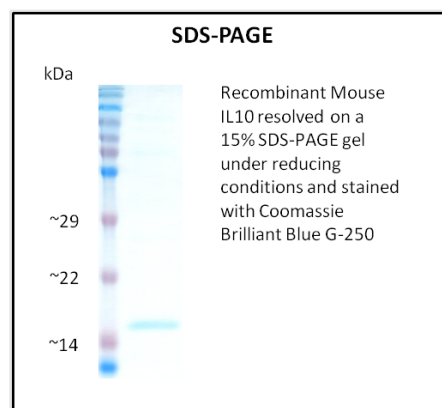
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in PBS (pH 7.0)
Sequence Length	178
Bioactivity	The ED50 was determined by the dose-dependent (with IL-4) proliferation of murine MC/9 cells and was found to be < 2.0 ng/mL
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for IL10 active protein	IL10 is produced by mouse Th2 cells following their stimulation by lectins. The main source for B cell derived IL10 in mice are Ly1 B cells that express CD5 (Ly1) and CD11. In humans IL10 is produced by activated CD8(+) peripheral blood T cells, by T helper CD4(+) T cell clones after both antigen-specific and polyclonal activation, by B cell lymphomas, and by monocytes following cell activation by bacterial lipopolysaccharides and mast cells. IL10 is a homodimeric protein with subunits having a length of 160 amino acids. Human IL10 shows 73% amino acid homology with mouse IL10. IL10 inhibits the synthesis of a number of cytokines such as IFN-gamma, IL-2 and TNF-beta in Th1 T helper subpopulations of T cells but not of Th2 helper cells. This activity is antagonized by IL-4. The inhibitory effect on IFN-gamma production is indirect and appears to be the result of a suppression of IL-12 synthesis by accessory cells. In the human system, IL10 is produced by, and down-regulates the function of, Th1 and Th2 cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6754318
NCBI GeneID	16153
NCBI Accession #	NP_034678.1
NCBI GenBank Nucleotide #	NP_034678.1
UniProt Accession #	P18893
Molecular Weight	19.0 kDa
NCBI Official Full Name	interleukin-10
NCBI Official Synonym Full Names	interleukin 10
NCBI Official Symbol	IL10
NCBI Official Synonym Symbols	CSIF; IL-10
NCBI Protein Information	interleukin-10
UniProt Protein Name	Interleukin-10
UniProt Gene Name	IL10
UniProt Synonym Gene Names	IL-10; IL-10; CSIF
UniProt Entry Name	IL10_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/il10/214314>