

IL-6 active protein

Mouse IL-6

CATALOG # AAA79260	HOST E Coli	REACTIVITY Mouse
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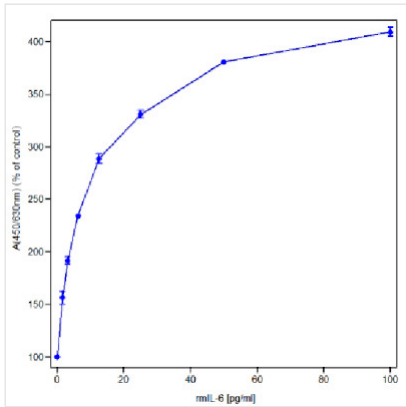
PRODUCT SYNONYMS

IL-6; Mouse IL-6; Recombinant Murine IL-6; IL-6 active protein

PRODUCT SPECIFICATIONS

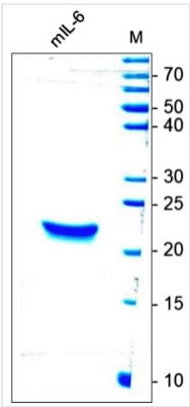
Host	E Coli
Reactivity	Mouse
Purity/Purification	> 98% by SDS-PAGE & Coomassie Stain
Form/Format	Lyophilized
Sequence	MFPTSQVRRG DFTEDTTPNR PVYTTSQVGG LITHVLWEIV EMRKELCNGN SDCMNNDAL AENNLKLPEI QRNDGCYQTG YNQEICLLKI SSSLLEYHSY LEYMKNNLKD NKKDKARVLQ RDTETLIHIF NQEVKDLHKI VLPTPISNAL LTKLESQKE WLRTKTIQFI LKSLEEFLKV TLRSTRQT
Sequence Length	211
Endotoxin Level	< 0.1 ng /ug of protein (<1EU/ug)
Length (aa)	188
Result by N-terminal sequencing	M F P T S
Reconstitution	Centrifuge the vial prior to opening. Reconstitute in 50 mM acetic acid to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer (e.g. PBS) containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.
Biological Activity	The ED ₅₀ as determined by the dose-dependent stimulation of murine hybridoma B9 cells is in the range of 5-20 pg/ml.
Preparation and Storage	The lyophilized protein is stable at room temperature for 1 month and at 4°C for 6 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 12 months at -20°C to -80°C.

IMAGES



Application Data

Proliferation assay with the mouse hybridoma cell line B9. The cells were stimulated with increasing amounts of recombinant mouse IL-6.



SDS-PAGE

SDS-PAGE analysis of recombinant mouse IL-6. Sample was loaded in 15% SDS-polyacrylamide gel under reducing conditions and stained with Coomassie blue.

ADDITIONAL INFORMATION

Related Product Information for IL-6 active protein	IL-6 is a pleiotropic cytokine that plays an important role in host defense by regulating immune and inflammatory responses. Produced by T cells, monocytes, fibroblasts, endothelial cells and keratinocytes, IL-6 has diverse biological functions. It stimulates B-cell differentiation and antibody production, synergizes with IL-3 in megakaryocyte development and platelet production, induces expression of hepatic acute-phase proteins, and regulates bone metabolism. IL-6 signals through the IL-6 receptor system that consists of two chains, IL-6R alpha and gp130. Murine IL-6 is inactive on human cells, while both human and murine are equally active on murine cells. Recombinant murine IL-6 is a 21.7 kDa protein containing 188 amino acid residues.
Product Categories/Family for IL-6 active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	13624311
NCBI GeneID	16193
NCBI Accession #	NP_112445.1
NCBI GenBank Nucleotide #	NM_031168.1
UniProt Accession #	P08505; Q3UCQ0; Q8BN26
Molecular Weight	21.7 kDa
NCBI Official Full Name	interleukin-6
NCBI Official Synonym Full Names	interleukin 6
NCBI Official Symbol	IL6
NCBI Official Synonym Symbols	IL-6
NCBI Protein Information	interleukin-6; interleukin HP-1; B-cell hybridoma growth factor
UniProt Protein Name	Interleukin-6
UniProt Gene Name	IL6
UniProt Synonym Gene Names	IL-6; IL-6
UniProt Entry Name	IL6_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://www.aaabiotech.com/e-coli-mouse-active-protein/il-6/79260>