

IL2 active protein

Recombinant Mouse IL2

CATALOG #
AAA214316

HOST
E Coli

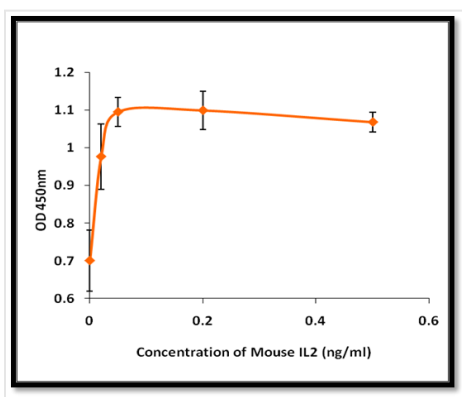
PRODUCT SYNONYMS

IL2; Recombinant Mouse IL2; IL-2; T-cell growth factor; TCGF; Recombinant Mouse Interleukin-2 (IL2); IL2 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from 0.2 um filtered PBS solution, pH 7.0.
Sequence Length	169
Bioactivity	The ED50 as determined by the dose dependent stimulation of murine CTLL-2 cells is < 0.1 ng/mL, corresponding to a specific activity of > 1 x 10 ⁷ units/mg.
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 IL2 active protein	IL-2 is produced mainly by T cells expressing the surface antigen CD4 following cell activation by mitogens or allogen. Interleukin-2 (IL-2) has multiple, sometimes opposing, functions during an inflammatory response. It is a potent inducer of T cell proliferation and Th1 and Th2 effector T cell differentiation and provides T cells with a long-lasting competitive advantage resulting in the optimal survival and function of memory cells. In a regulatory role, IL-2 is important for the development, survival, and function of regulatory T cells, it enhances Fas-mediated activation-induced cell death, and it inhibits the development of inflammatory Th17 cells. Thus, in its dual and contrasting functions, IL-2 contributes to both the induction and the termination of inflammatory immune responses.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7110653
NCBI GeneID	16183
NCBI Accession #	NP_032392.1
NCBI GenBank Nucleotide #	NP_032392.1
UniProt Accession #	P04351
Molecular Weight	17.0 kDa
NCBI Official Full Name	interleukin-2
NCBI Official Synonym Full Names	interleukin 2
NCBI Official Symbol	IL2
NCBI Official Synonym Symbols	IL-2
NCBI Protein Information	interleukin-2
UniProt Protein Name	Interleukin-2
UniProt Gene Name	IL2
UniProt Synonym Gene Names	IL-2; IL-2; TCGF
UniProt Entry Name	IL2_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/il2/214316>