

Interleukin 6 (IL6) Active Protein | IL6 active protein

Active Interleukin 6 (IL6)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA148223	E Coli	Human	Activity Assay, Cell Culture

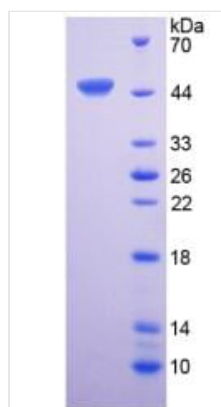
PRODUCT SYNONYMS

Interleukin 6 (IL6); Active Interleukin 6 (IL6); MGI2-A; MGI2A; HGF; BSF2; HSF; IFNB2; B-Cell Stimulatory Factor-2; Hybridoma/Plasmacytoma Growth Factor; Hepatocyte Stimulating Factor; Cytotoxic T-Cell Differentiation Factor; IL6 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	> 95%
Form/Format	Freeze-dried powder
Sequence Length	241
Applicable Applications for IL6 active protein	Activity Assay, Cell Culture
Tag	N-terminal His and GST Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Fragment	Pro29~Met212
Isoelectric Point	6

IMAGES



SDS-PAGE

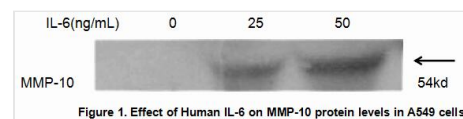


Figure 1. Effect of Human IL-6 on MMP-10 protein levels in A549 cells.

Activity

Interleukin-6 (IL-6), a pro-inflammatory cytokine and an anti-inflammatory myokine, plays important roles in the acute phase reaction, inflammation, hematopoiesis, bone metabolism, and cancer progression. It has been reported that IL-6 significantly increased the MMP-10 protein level in the human lung cancer A549 cells through the JAK/STAT signaling pathway. Briefly, A549 cells were seeded into 6-well cell culture clusters and allowed to grow to 50-70% confluence, then different concentrations of IL-6 was added. After incubated for 24h, the protein levels of MMP-10 in the cell supernatant were determined by Western blot. MMP-10 protein level significantly increased in A549 cells due to the stimulation of IL-6, the data was shown in Figure 1.

ADDITIONAL INFORMATION

Product Categories/Family for IL6 active protein	Cytokine; Tumor immunity; Infection immunity; Cardiovascular biology
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45382889
NCBI GeneID	395337
NCBI Accession #	NP_989959.1
NCBI GenBank Nucleotide #	NM_204628.1
UniProt Accession #	Q90YI0
Molecular Weight	Predicted Molecular Weight: 46.9kDa Accurate Molecular Weight: 47kDa
NCBI Official Full Name	interleukin-6
NCBI Official Synonym Full Names	interleukin 6
NCBI Official Symbol	IL6
NCBI Official Synonym Symbols	IL-6; CHIL-6; interleukin-6
NCBI Protein Information	interleukin-6
UniProt Protein Name	Interleukin-6
UniProt Gene Name	IL6
UniProt Synonym Gene Names	ChIL-6; IL-6

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-human-active-protein/interleukin-6-il6/148223>