

Interleukin 6 (IL6) Active Protein | IL6 active protein

Active Interleukin 6 (IL6)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA148238	293F cell	Rat	Activity Assay, Cell Culture

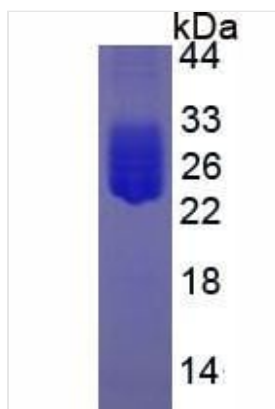
PRODUCT SYNONYMS

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	293F cell
Reactivity	Rat
Purity/Purification	> 95%
Form/Format	Freeze-dried powder
Sequence Length	211
Applicable Applications for IL6 active protein	Activity Assay, Cell Culture
Tag	N-terminal His Tag
Buffer Formulation	PBS, pH7.6, containing 5% trehalose.
Fragment	Phe25~Thr211
Isoelectric Point	7.8

IMAGES



SDS-PAGE

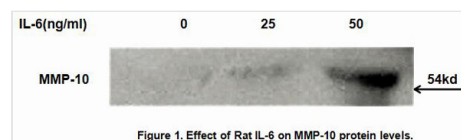


Figure 1. Effect of Rat IL-6 on MMP-10 protein levels.

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. Result: 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
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	7549769
NCBI GeneID	24498
NCBI Accession #	NP_036721.1
NCBI GenBank Nucleotide #	NM_012589.2
UniProt Accession #	P20607
Molecular Weight	Predicted Molecular Weight: 23.3kDa Accurate Molecular Weight: 27kDa
NCBI Official Full Name	interleukin-6
NCBI Official Synonym Full Names	interleukin 6
NCBI Official Symbol	IL6
NCBI Official Synonym Symbols	ILg6; Ifnb2
NCBI Protein Information	interleukin-6
UniProt Protein Name	Interleukin-6
UniProt Gene Name	IL6
UniProt Synonym Gene Names	IL-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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/293f-cell-rat-active-protein/interleukin-6-il6/148238>