Datasheet for ABIN7320602

IL-6 Protein

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Overview

Quantity:	100 µg
Target:	IL-6 (IL6)
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Mouse Interleukin-6/IL-6 Protein
Sequence:	Phe25-Thr211
Characteristics:	Recombinant Mouse Interleukin-6 is produced by our E.coli expression system and the target gene encoding Phe25-Thr211 is expressed.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	IL-6 (IL6)
Alternative Name:	Interleukin-6/IL-6 (IL6 Products)
Background:	Background: Interleukin-6 (IL-6) is a pro-inflammatory cytokine that also has an important role in immunity. Mouse IL-6 appears to be directly involved in the responses that occur after infection and injury and may prove to be as important as IL-1 in regulating the acute phase response. Mouse IL-6 is reported to be produced by fibroblasts, activated T cells, activated

Target Details

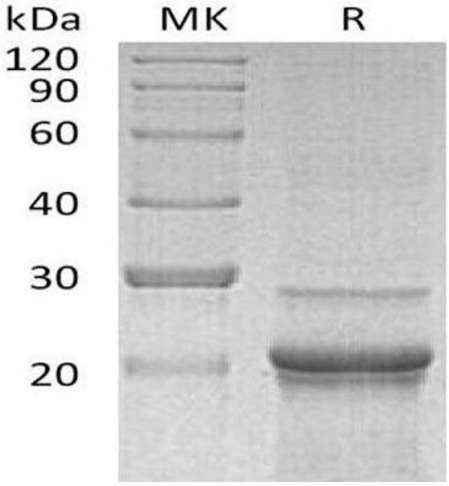
	monocytes or macrophages, and endothelial cells. It acts upon a variety of cells, including fibroblasts, myeloid progenitor cells, T cells, B cells and hepatocytes. IL-6 has a wide variety of biological functions: it plays an essential role in the final differentiation of B-cells into Ig-secreting cells, it induces myeloma and plasmacytoma growth, nerve cells differentiation in hepatocytes, and acute phase reactants. Synonym: Interleukin-6, IL-6, B-Cell Hybridoma Growth Factor, Interleukin HP-1, Il6, Il-6
Molecular Weight:	21.8 kDa
UniProt:	P08505
Pathways:	TLR Signaling, Hormone Transport, Negative Regulation of Hormone Secretion, Myometrial Relaxation and Contraction, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Regulation of Carbohydrate Metabolic Process, Autophagy, Cell RedoxHomeostasis, Cancer Immune Checkpoints, Inflammasome

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting
Image 1.

