



IL-6 Monoclonal Antibody

Catalog No	YP-Ab-15845
Isotype	IgG
Reactivity	Human
Applications	WB;ELISA
Gene Name	IL6
Immunogen	Purified recombinant fragment of human IL-6 expressed in E. Coli.
Specificity	IL-6 Monoclonal Antibody detects endogenous levels of IL-6 protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	IL6;B-cell stimulatory factor 2;IFN-beta-2;IL 6;Interferon beta-2;Interleukin-6; IFNB2;IL-6;BSF-2;CTL differentiation factor;CDF;Hybridoma growth factor
Observed Band	24kD
Calculated Molecular Weight	24kD
Cell Pathway	Secreted .
Tissue Specificity	Produced by skeletal muscle.
Function	disease:At least 1 polymorphism in the IL6 gene renders HIV-infected men susceptible to Kaposi sarcoma [MIM:148000]. Kaposi sarcoma is a sarcoma of spindle cells mixed with angiomatous tissue. A relatively rare malignant skin tumor that results in multifocal purplish coloured papules or plaques that eventually form nodules. Most commonly seen in patients who suffer from AIDS., disease:Genetic variations in IL6 are associated with susceptibility to systemic juvenile rheumatoid arthritis [MIM:604302]. Systemic juvenile rheumatoid arthritis is juvenile chronic arthritis associated with severe, debilitating, extraarticular features, and occasionally fatal complications. Despite medical treatment, many children still experience early joint destruction, necessitating surgical replacement.,function:IL-6 is a cytokine with a wide variety of biological functions: it plays an essential role in the



Background

This gene encodes a cytokine that functions in inflammation and the maturation of B cells. In addition, the encoded protein has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease states, including susceptibility to diabetes mellitus and systemic juvenile rheumatoid arthritis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015],

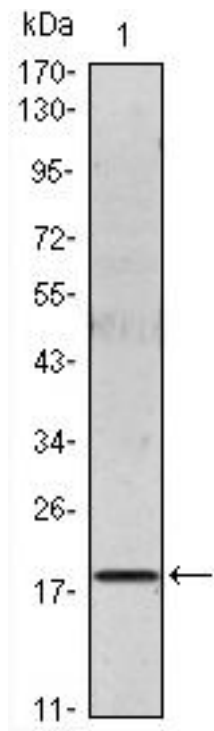
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using IL-6 mouse mAb against IL-6 recombinant protein.