

Mouse anti-Human IL-6 Monoclonal Antibody | anti-IL6 antibody

Anti-IL-6 Antibody, Mouse Monoclonal

CATALOG # AAA254895	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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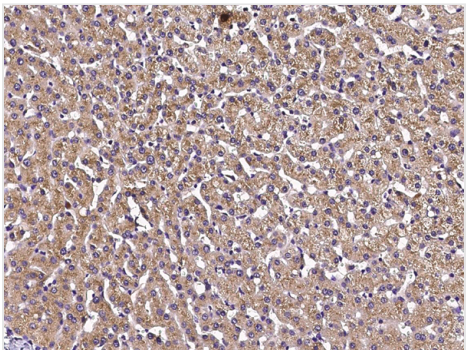
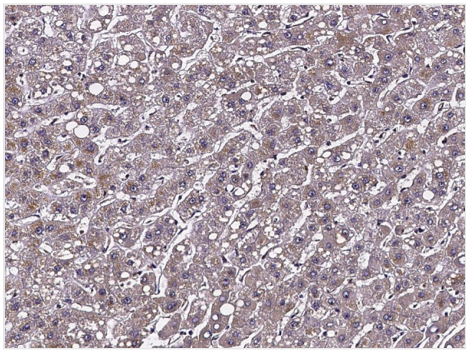
PRODUCT SYNONYMS

IL-6; Monoclonal Antibody; Anti-IL-6 Antibody; Mouse Monoclonal; IL6/IL-6 Antibody; Mouse MAb; interleukin 6; Anti-BSF2 Antibody; Anti-HGF Antibody; Anti-HSF Antibody; Anti-IFNB2 Antibody; Anti-Interleukin-6 Antibody; anti-IL6 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	10
Specificity	Human IL6/IL-6
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-IL6 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant Human IL6/IL-6 protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human IL6/IL-6 (rh IL6/IL-6). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunochemical staining of human IL6 in human cirrhosis with mouse monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

IHC (Immunohistochemistry)
Immunochemical staining of human IL6 in human liver with mouse monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-IL6 antibody	Interleukin-6 (IL-6) is a multifunctional alpha-helical cytokine that regulates cell growth and differentiation of various tissues, which is known particularly for its role in the immune response and acute phase reactions. IL-6 protein is secreted by a variety of cell types including T cells and macrophages as a phosphorylated and variably glycosylated molecule. It exerts actions through its heterodimeric receptor composed of IL-6R that lacks the tyrosine/kinase domain and binds IL-6 with low affinity, and ubiquitously expressed glycoprotein 130 (gp130) that binds the IL-6. IL-6R complex with high affinity and thus transduces signals. IL-6 is also involved in hematopoiesis, bone metabolism, and cancer progression, and has been defined as an essential role in directing the transition from innate to acquired immunity.
Product Categories/Family for anti-IL6 antibody	Neuroinflammation Cancer Drug Targets ; IL17 signaling pathway
References	Heinrich PC. et al. (2003). Principles of interleukin-6-type cytokine signalling and its regulation. Biochem J. 374: 1-20. Rose-John S, et al. (2007) The IL-6/sIL-6R complex as a novel target for therapeutic approaches. Expert Opin Ther Targets. 11(5): 613-24. Dinh W, et al. (2009) Elevated plasma levels of TNF-alpha and interleukin-6 in patients with diastolic dysfunction and glucose metabolism disorders. Cardiovasc Diabetol. 8:58.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10834984
NCBI GeneID	3569
NCBI Accession #	NP_000591.1
NCBI GenBank Nucleotide #	NM_000600.3
UniProt Accession #	P05231 ; Q9UCU2 ; Q9UCU3 ; Q9UCU4
Molecular Weight	212
NCBI Official Full Name	interleukin-6
NCBI Official Synonym Full Names	interleukin 6 (interferon, beta 2)
NCBI Official Symbol	IL6
NCBI Official Synonym Symbols	HGF; HSF; BSF2; IL-6; IFNB2
NCBI Protein Information	interleukin-6; CDF; BSF-2; IFN-beta-2; interferon beta-2; interleukin BSF-2; hybridoma growth factor; CTL differentiation factor; B-cell stimulatory factor 2; B-cell differentiation factor
UniProt Protein Name	Interleukin-6

UniProt Gene Name	IL6
UniProt Synonym Gene Names	IFNB2; IL-6; BSF-2; CDF; IFN-beta-2
UniProt Entry Name	IL6_HUMAN

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://www.aaabiotech.com/monoclonal/il-6-antibody-clone-10-immunohistochemistry-elisa/254895>