

Anti-IL-6 Antibody

EM30301



Product Type:	Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human
Applications:	WB
Molecular Wt:	Predicted band size: 24 kDa

Description: Interleukin 6 (IL-6) is a potent pleiotropic cytokine that regulates cell growth and differentiation of various tissues, and is known particularly for its role in the immune response and acute phase reactions. IL-6 is a cytokine with a wide variety of biological functions and belongs to the IL-6 superfamily. IL-6 is a potent inducer of the acute phase response and plays an essential role in the final differentiation of B-cells into Ig-secreting cells. Involved in lymphocyte and monocyte differentiation.

Immunogen: Recombinant protein within Mouse IL-6 aa 1-211 / 211.

Positive control: Jurkat cell lysate, Raji cell lysate, Daudi cell lysate, human tonsil tissue.

Subcellular location: Secreted

Database links: SwissProt: P05231 Human

Recommended Dilutions:

WB 1:500

Storage Buffer: 1*PBS (pH7.4), 0.2% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4°C.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

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Images

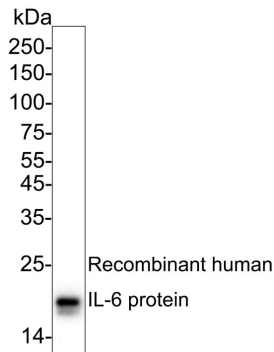


Fig1: Western blot analysis of IL-6 on recombinant human IL-6 protein with Mouse anti-IL-6 antibody (EM30301) at 1/500 dilution.

Lysates/proteins at 50 ng/Lane.

Exposure time: 6 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (EM30301) at 1/500 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1/50,000 dilution was used for 1 hour at room temperature.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. "A nucleotide variant in the promoter region of the interleukin-6 gene associated with decreased bone mineral density." Ota N., Nakajima T., Nakazawa I., Suzuki T., Hosoi T., Orimo H., Inoue S., Shirai Y., Emi M.J. Hum. Genet. 46:267-272(2001)
2. "Association of interleukin-6 promoter variant with bone mineral density in pre-menopausal women." Chung H.W., Seo J.-S., Hur S.E., Kim H.L., Kim J.Y., Jung J.H., Kim L.H., Park B.L., Shin H.D.J. Hum. Genet. 48:243-248(2003)

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