

## Product datasheet for **AM31351AF-N**

### **IL6 Mouse Monoclonal Antibody [Clone ID: B-E8]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	B-E8
Applications:	ELISA, FC, FN
Recommended Dilution:	<b>ELISA.</b> <b>Flow Cytometry</b> (Intra-cytoplasmic). <b>Functional Assay:</b> Blocks IL-6 induced proliferation on B9 cells. Inhibits IL-6 binding to its receptor.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant IL-6.
Specificity:	Recognises both natural and recombinant Human IL-6
Formulation:	PBS, Sterile-filtered through 0.22 µm and treated to remove endotoxins. Carrier and preservative free State: Azide Free State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Ion Exchange Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 6
Database Link:	<u><a href="#">Entrez Gene 3569 Human P05231</a></u>



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<b>Background:</b>	Interleukin 6 (IL6) is a multifunctional 24 kDa protein originally discovered in the medium of RNA stimulated fibroblastoid cells. It is upregulated by IL1, TNF, PDGF, IFN beta, TNF alpha, NGF, IL17 and downregulated by glucocorticoids IL4, TGF beta. IL6 appears to be directly involved in the responses that occur after infection and cellular injury, and it may prove to be as important as IL1 and TNF alpha in regulating the acute phase response. IL6 has also been implicated in regulating adipose mass.
<b>Synonyms:</b>	IL-6, Interferon beta-2, IFNB2, B-cell stimulatory factor 2, BSF-2, CDF
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Cytosolic DNA-sensing pathway, Graft-versus-host disease, Hematopoietic cell lineage, Hypertrophic cardiomyopathy (HCM), Jak-STAT signaling pathway, NOD-like receptor signaling pathway, Pathways in cancer, Prion diseases, Toll-like receptor signaling pathway