

Product datasheet for **AM05676AF-N**

IL6 Rat Monoclonal Antibody [Clone ID: 6B4 IGH 54]

Product data:

Product Type:	Primary Antibodies
Clone Name:	6B4 IGH 54
Applications:	ELISA, FN
Recommended Dilution:	ELISA. Functional Assays: 3 µg/ml.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Natural partially purified mouse IL-6.
Specificity:	This antibody is specific for IL-6 (interleukin-6). Clone 6B4 IGH 54 can be used to neutralise the activity of 50pg/ml of recombinant mouse IL-6 by >95% in a functional assay.
Formulation:	Phosphate buffered saline State: Azide Free State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on protein G
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 6
Database Link:	Entrez Gene 16193 Mouse P08505



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Background:

IL-6 is a multifunctional pro-inflammatory cytokine secreted by activated T cells, macrophages, endothelial cells, fibroblasts and osteoblasts, which acts as the principle inducer of the acute phase response in the liver.

IL-6 signals through a membrane bound receptor complex consisting of the ligand-binding IL-6Ra chain (CD126) and the signal-transducing component gp130 (CD130), but can also stimulate cells expressing gp130 through a soluble IL-6R. IL-6 has been shown to stimulate B cell differentiation and subsequent immunoglobulin production, promote hybridoma growth, as well as regulating bone metabolism and stimulating energy mobilisation in muscle and fatty tissue.

Synonyms:

IL-6, Interferon beta-2, IFNB2, B-cell stimulatory factor 2, BSF-2, CDF

Note:

Endotoxin Level < 0.004EU/μg