

# NeutraControl IL-6 Monoclonal antibody, PBS Only

Catalog Number: 69501-1-PBS

## Basic Information

Catalog Number:	69501-1-PBS	GenBank Accession Number:	Purification Method:
Concentration:	1mg/ml	GeneID (NCBI):	Protein A purification
Source:	Mouse	3569	CloneNo.:
Isotype:	IgG1	ENSEMBL Gene ID:	1E9B8
Immunogen Catalog Number:	HZ-1019	ENSG00000136244	
		Full Name:	
		interleukin 6 (interferon, beta 2)	

## Applications

**Tested Applications:**  
ELISA, Non-Neutralization

**Species Specificity:**  
human

## Background Information

Interleukin-6 (IL-6) is an interleukin that acts as both a pro-inflammatory and anti-inflammatory cytokine. IL-6 protein is secreted by a variety of cell types including T cells and macrophages as phosphorylated and variably glycosylated molecule. IL-6 plays an essential role in the final differentiation of B-cells into Ig-secreting cells involved in lymphocyte and monocyte differentiation. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation. Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. IL-6 is also considered a myokine, a cytokine produced from muscle, and is elevated in response to muscle contraction. IL-6 has been shown to interact with interleukin-6 receptor and glycoprotein 130. Additionally, IL-6 is involved in hematopoiesis, bone metabolism, and cancer progression, and has been defined an essential role in directing transition from innate to acquired immunity.

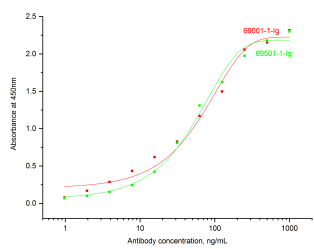
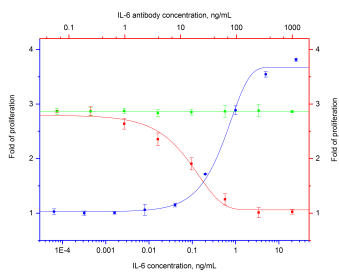
This antibody is a neutralizing control antibody for IL-6, the immunogen is the same as Neutrakine 69001-1-Ig but could not neutralize human IL-6.

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

## Selected Validation Data



Recombinant human IL-6 (Cat.NO. HZ-1019) stimulates proliferation of hybridoma (Proteintech mouse anti-GST clone 3G12B10) in a dose-dependent manner (blue curve, refer to bottom X-left Y axis). The activity of human IL-6 (1 ng/mL HZ-1019) is neutralized by mouse anti-human IL-6 monoclonal antibody 69001-1-Ig at serial dose (red curve, refer to top X-right Y axis). The ND50 is typically 10-30 ng/mL. The NeutraControl mouse anti-human IL-6 monoclonal antibody 69501-1-Ig could

Indirect ELISA was carried out by coating recombinant Human IL-6 (Cat.NO. HZ-1019) at 70 ng/well followed by blocking and adding serial diluted IL-6 antibody 69001-1-Ig and 69501-1-Ig respectively. Signal was developed with TMB and stopped by H2SO4. Signal strength was measured by absorbance at 450 nm. This data was developed using the same antibody clone with 69501-1-PBS in a different storage buffer formulation.