

## ARG23312 anti-IL6 antibody [B-E8]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [B-E8] recognizes IL6 Mouse anti Human Interleukin-6 antibody, clone B-E8 recognizes human interleukin-6 (IL-6), a cytokine and potent inducer of the immune acute phase response.
Tested Reactivity	Hu
Species Does Not React With	Ms
Tested Application	ELISA, FuncSt, IHC-Fr
Host	Mouse
Clonality	Monoclonal
Clone	B-E8
Isotype	IgG1
Target Name	IL6
Species	Human
Immunogen	Recombinant full-length Human IL6 expressed in E. coli.
Conjugation	Un-conjugated
Alternate Names	B-cell stimulatory factor 2; CDF; HSF; BSF-2; Interferon beta-2; IL-6; IFNB2; CTL differentiation factor; Interleukin-6; HGF; Hybridoma growth factor; BSF2; IFN-beta-2

### Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	FuncSt	20 pg neutralizes activity of 1U of IL-6
	IHC-Fr	Assay-dependent
Application Note	Functional assay: This product contains sodium azide, removal by dialysis is recommended prior to use in functional assays. IHC-Fr: The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Arigo recommends the use of acetone fixation for frozen sections. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified by ion exchange chromatography.
Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide

Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Gene Symbol	IL6
Gene Full Name	interleukin 6
Background	This gene encodes a cytokine that functions in inflammation and the maturation of B cells. In addition, the encoded protein has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease states, including susceptibility to diabetes mellitus and systemic juvenile rheumatoid arthritis. [provided by RefSeq, Jun 2011]
Function	Cytokine with a wide variety of biological functions. It is a potent inducer of the acute phase response. Plays an essential role in the final differentiation of B-cells into Ig-secreting cells Involved in lymphocyte and monocyte differentiation. Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. Required for the generation of T(H)17 cells. Also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation. [UniProt]
Highlight	Related products: <a href="#">IL6 antibodies</a> ; <a href="#">IL6 ELISA Kits</a> ; <a href="#">IL6 recombinant proteins</a> ; <a href="#">Anti-Mouse IgG secondary antibodies</a> ; Related news: <a href="#">HMGB1 in inflammation</a> <a href="#">Inflammatory Cytokines</a>
Calculated Mw	24 kDa
PTM	N- and O-glycosylated. [UniProt]