



Rabbit Anti-Human IL6 Chimeric Monoclonal Antibody, clone OP-R003-1 [Functional Grade] (CABT-Z596R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format. This antibody recognizes and binds the interleukin-6 at amino acid residues that are crucial for binding to human IL-6R. The binding of this antibody blocks or inhibits the binding between human IL6 and human IL-6R.
Immunogen	The original antibody was generated from its murine parent antibody B-E8 by creating sunstiutlional variants and their affinity maturation using phage display techniques.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	OP-R003-1
Purification	Protein A purified
Conjugate	Functional Grade
Applications	BL, ELISA, FC
Format	Liquid
Concentration	Lot specific
Size	1 mg
Buffer	PBS only. Endotoxin Level<0.5 EU/mg by the LAL method.

Preservative	None
Storage	Store at -20°C long term. Avoid freeze / thaw cycle. To ensure optimal storage and prevent microbial contamination, only open and dispense under sterile conditions.
Ship	Wet ice

BACKGROUND

Introduction	IL-6 is a potent lymphoid cell growth factor that stimulates the growth and survival of certain B cells and T cells. IL-6 plays a role in host defense, acute phase reactions, immune response, and hematopoiesis. IL-6 is expressed by T cells, B cells, monocytes, fibroblasts, hepatocytes, endothelial cells, and keratinocytes.
Keywords	IL6;interleukin 6;HGF;HSF;BSF2;IL-6;IFNB2;interleukin-6;CDF;BSF-2;IFN-beta-2;interferon beta-2;interleukin BSF-2;interferon;beta 2;hybridoma growth factor;CTL differentiation factor;B-cell stimulatory factor 2;B-cell differentiation factor;PF-04236921

GENE INFORMATION

Gene Name	IL6
Entrez Gene ID	3569
UniProt ID	P05231