



Mouse Anti-Human IL-6 monoclonal antibody, clone NN25 (CABT-ZB497)

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

PRODUCT INFORMATION

Specificity	It reacts with Human IL-6
Target	IL6
Immunogen	Recombinant Human IL-6/Interleukin-6 Protein
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	NN25
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) This antibody will detect IL-6 in antibody pair set. [ABPR-ZB072]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human IL-6 / Interleukin-6. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 200 µL, 1 mL

Buffer	PBS
Preservative	None
Storage	<p>This antibody can be stored at 2°C-8°C for one month without detectable loss of activity.</p> <p>Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.</p>
Ship	Wet ice

BACKGROUND

Introduction Interleukin-6 (IL-6) is a multifunctional α -helical cytokine that regulates cell growth and differentiation of various tissues, which is known particularly for its role in the immune response and acute phase reactions. IL-6 protein is secreted by a variety of cell types including T cells and macrophages as a phosphorylated and variably glycosylated molecule. It exerts actions through its heterodimeric receptor composed of IL-6R that lacks the tyrosine/kinase domain and binds IL-6 with low affinity, and ubiquitously expressed glycoprotein 130 (gp130) that binds the IL-6. IL-6R complex with high affinity and thus transduces signals. IL-6 is also involved in hematopoiesis, bone metabolism, and cancer progression, and has been defined as an essential role in directing the transition from innate to acquired immunity.

Keywords IL6RA; interleukin 6 receptor, alpha; Il6r; CD126

GENE INFORMATION

Synonyms	IL6RA; interleukin 6 receptor, alpha; Il6r; CD126; IL-6R; interleukin-6 receptor subunit alpha; IL-6RA; IL-6R 1; IL-6R-alpha; IL-6R subunit alpha; IL-6 receptor alpha chain; IL-6 receptor subunit alpha
Entrez Gene ID	16194
UniProt ID	P22272