

Anti-TNF Neutralizing Antibody (V3S-0622-YC2654)

Cat. No.: V3S-0622-YC2654

Summary

Description	This product is a human monoclonal antibody that reacts with TNF. The antibody is expressed with mammalian cell transient expression system, serum-free and purified by affinity chromatography. The purity and integrity are tested via SDS-PAGE and SEC-HPLC analysis. Given an antigen, additional QC measures are also desired such as affinity testing and binding validation. Specifically, the antibody is provided in multiple formats for in vivo and in vitro assays. The <i>In vivo</i> version features greater than 95% purity, ultra-low endotoxin levels (<1 EU/mg or 0.1 EU/mg), and is preservative, stabilizer, and carrier protein-free.
Clonality	Monoclonal
Host Species	Human
Target Species	Human
Isotype	IgG
Isotype Control	C34555
Secondary Antibody	C32400; C75370; C10513; C51635; C45530

Property

Expression Species	HEK293F or CHO
Conjugation	None
Purity	>95%, determined by SDS-PAGE and/or SEC-HPLC
Endotoxin	<1 EU/mg, determined by LAL method
Purification	Protein A affinity purified
Sterility	0.2 µM filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4°C within a week. For longer storage, aliquot and store at -20°C.

Applications

For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

Application	WB; FC; IP; ELISA; Neut; FuncS; IF
Application Notes	The antibody is recommended for detection of TNF by WB, FC, IP, ELISA, Neut, FuncS, IF as says.

Target

Target	TNF
Alternative Name	tumor necrosis factor; TNFA, tumor necrosis factor (TNF superfamily, member 2); DIF; TNF superfamily; member 2; TNF alpha; TNFSF2; TNF-a; cachectin; APC1 protein; TNF, monocyte-derived; TNF, macroph
Gene ID	7124
UniProt	P01375
Introduction	Cytokine that binds to TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. It is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. It is potent pyrogen causing fever by direct action or by stimulation of interleukin-1 secretion and is implicated in the induction of cachexia, Under certain conditions it can stimulate cell proliferation and induce cell differentiation.
Research Area	Immunology
Proceedings of R&D	Diseases associated with TNF include Asthma and Malaria. Among its related pathways are Apoptosis Modulation and Signaling and Proteoglycans in cancer. Gene Ontology (GO) annotations related to this gene include identical protein binding and cytokine activity. An important paralog of this gene is LTA.

For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.