

Anti-Tnf Neutralizing Antibody (V3S-0822-YC2418)

Cat. No.: V3S-0822-YC2418

Summary

Description	This product is a rat monoclonal antibody provided by Creative Biolabs. The antibody is capable of recognizing tumor necrosis factor. It can be used for Tnf detection in Neutralization Assay (Neut). The antibody is expressed in mammalian cells (293F or CHO) with antibody encoding genes and purified by affinity chromatography. Each lot of this antibody is quality control tested by SDS-PAGE and SEC-HPLC analysis. For highly sensitive assays, we recommend the ultra purified form of the product, which has a lower endotoxin limit than standard antibody, less than 1 EU/mg or even 0.1 EU/mg.
Clonality	Monoclonal
Host Species	Rat
Target Species	Mouse
Immunogen	Recombinant mouse TNF- α
Isotype	IgG1
Isotype Control	C24476
Secondary Antibody	C40224; C74571; C22227; C56421; C47763; C63764; C45522

Property

Conjugation	Unconjugated
Purity	>95%, determined by SDS-PAGE
Purification	Protein A or G purified
Storage	Store at 4°C within one or two weeks. Store at -20°C for long term. Avoid repeated freeze/thaw cycles. Refer to the COA file for specifics.

Applications

Application	Neut
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Target

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

Target	Tnf
Alternative Name	Tnf; tumor necrosis factor; DIF; Tnfa; TNF-a; TNFSF2; Tnlg1f; Tnfsf1a; TNFalpha; TNF-alpha
Gene ID	21926
UniProt	P06804
Introduction	Tnf is a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. Members of this family are classified based on primary sequence, function, and structure. This protein is synthesized as a type-II transmembrane protein and is reported to be cleaved into products that exert distinct biological functions. It plays an important role in the innate immune response as well as regulating homeostasis but is also implicated in diseases of chronic inflammation. In mouse deficiency of this gene is associated with defects in response to bacterial infection, with defects in forming organized follicular dendritic cell networks and germinal centers, and with a lack of primary B cell follicles.
Research Area	Immunology; Signal Pathway
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.

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