

Anti-TNF alpha Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PB9246-Fluoro488

About Tnf

TNFalpha (Tumor Necrosis Factor alpha) gene encodes a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. This cytokine is mainly secreted by macrophages. It can bind to, and thus functions through its receptors TNFRSF1A/TNFR1 and TNFRSF1B/TNFR2. This cytokine is involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. This cytokine has been implicated in a variety of diseases, including autoimmune diseases, insulin resistance, and cancer. Knockout studies in mice also suggested the neuroprotective function of this cytokine.

Overview

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|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name | Anti-TNF alpha Antibody Picoband® Fluoro488 Conjugated |
| Reactive Species | Mouse |
| Application | Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs. |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ N. |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | P06804 |

Technical Details

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|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen | E.coli-derived mouse TNF alpha recombinant protein (Position: L80-Q227). Mouse TNF alpha shares 79% and 95% amino acid (aa) sequence identity with human and rat TNF alpha, respectively. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

71 Publications Citing This Product

1. PubMed ID: 33607154, Liao L,Huang L,Wei X,Yin L,Wei X,Li T.Bioinformatic and biochemical studies of formononetin against liver injure.Life Sci.2021 Feb 16;119229.doi:10.1016/j.lfs.2021.119229.Epub ahead of print.PMID:33607154.

2. PubMed ID: 33607154, Liao L,Huang L,Wei X,Yin L,Wei X,Li T.Bioinformatic and biochemical studies of formononetin against liver injure.Life Sci.2021 Feb 16;119229.doi:10.1016/j.lfs.2021.119229.Epub ahead of print.PMID:33607154.

3. PubMed ID: 33642941, Ye D,Hu Y,Zhu N,Gu W,Long G,Tao E,Fang M,Jiang M. Exploratory Investigation of Intestinal Structure and Function after Stroke in Mice. Mediators Inflamm.2021 Feb 15;2021:1315797.doi: 10.1155/2021/1315797.PMID:33642941;PMCID:PMC7902147.

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