

## Anti-TNF alpha Antibody Picoband® Fluoro647 Conjugated

Catalog Number: A00002-5-Fluoro647

### About Tnf

TNF alpha (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

Product Name	Anti-TNF alpha Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, 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 <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
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

Immunogen	E.coli-derived mouse TNF alpha/Tnf recombinant protein (Position: D89-E185).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

## 31 Publications Citing This Product

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1. PubMed ID: 10.4103/1673-5374.147934, Puerarin protects brain tissue against cerebral ischemia/reperfusion injury by inhibiting the inflammatory response

2. PubMed ID: PMID:26191204, Hydrogen sulfide accelerates wound healing in diabetic rats

3. PubMed ID: 10.1186/1749-8546-4-13, Effects of triptolide from Radix Tripterygium wilfordii ( Leigongteng ) on cartilage cytokines and transcription factor NF-kappaB: a study on induced arthritis in rats

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