

## Anti-TNF alpha Antibody Picoband™

Catalog Number: PB9246

### 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/TNFR. 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

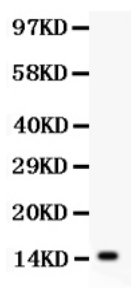
|                      |                                                                                                                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-TNF alpha Antibody Picoband™                                                                                                                                                                     |
| Reactive Species     | Mouse                                                                                                                                                                                                 |
| Description          | Boster Bio Anti-TNF alpha Antibody Picoband™ catalog # PB9246. Tested in WB applications. This antibody reacts with Mouse.                                                                            |
| Application          | WB                                                                                                                                                                                                    |
| Clonality            | Polyclonal                                                                                                                                                                                            |
| Formulation          | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.                                                                                                                                   |
| Storage Instructions | Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles. |
| Host                 | Rabbit                                                                                                                                                                                                |
| Uniprot ID           | P06804                                                                                                                                                                                                |

### Technical Details

|                               |                                                                                                                                                                                           |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| Predicted Reactive Species    | Bovine, Canine, Chicken, Horse, Monkey, Rabbit                                                                                                                                            |
| Recommended Detection Systems | Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.                                                                                           |
| Cross Reactivity              | No cross-reactivity with other proteins                                                                                                                                                   |
| Isotype                       | Rabbit IgG                                                                                                                                                                                |
| Form                          | Lyophilized                                                                                                                                                                               |
| Concentration                 | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.                                                                                                                 |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purification        | Immunogen affinity purified.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Suggested Dilutions | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Mouse</p> |

## Anti-TNF alpha Antibody Picoband™ (PB9246) Images



Anti-TNF alpha Picoband antibody, PB9246, Western blotting  
All lanes: Anti TNF alpha (PB9246) at 0.5ug/ml  
WB: Recombinant Mouse TNF alpha Protein 0.5ng  
Predicted bind size: 15KD  
Observed bind size: 15KD



Anti-TNF alpha Picoband antibody, PB9246, Western blotting  
All lanes: Anti TNF alpha (PB9246) at 0.5ug/ml  
Lane 1: Mouse Kidney Tissue Lysate at 50ug  
Lane 2: Mouse Intestine Tissue Lysate at 50ug  
Predicted bind size: 25KD  
Observed bind size: 25KD

## 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.

Visit [bosterbio.com/anti-tnf-alpha-picoband-trade-antibody-pb9246-boster.html](https://bosterbio.com/anti-tnf-alpha-picoband-trade-antibody-pb9246-boster.html) to see all 71 publications.

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