

## 39-2155: Anti-TNF alpha Polyclonal Antibody

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB
<b>Reactivity :</b>	Rat
<b>Gene :</b>	Tnf
<b>Gene ID :</b>	103694380
<b>Uniprot ID :</b>	P16599
<b>Format :</b>	Lyophilized
<b>Alternative Name :</b>	Tumor necrosis factor; Cachectin; TNF-alpha; Tumor necrosis factor ligand superfamily member 2; TNF-a; Tumor necrosis factor, membrane form; N-terminal fragment; NTF; Intracellular domain 1; ICD1
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	E.coli-derived rat TNF alpha recombinant protein (Position: D89-L235). Rat TNF alpha shares 95% amino acid (aa) sequence identity with mouse TNF alpha.

### Description

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/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.

### Product Info

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Immunogen affinity purified.
<b>Content :</b>	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3. Reconstitute : Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
<b>Storage condition :</b>	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

### Application Note

Western blot : 0.1-0.5 µg/ml



Figure 1: Anti-TNF alpha antibody(39-2155). Lanes: Anti-TNF alpha(39-2155) at 0.5ug/ml. Lane 1: PC-12 Whole Cell Lysate at 40ug, Lane 2: Rat Spleen Tissue Lysate at 40ug, Lane 3: Rat Brain Tissue Lysate at 40ug, Lane 4: Rat Kidney Tissue Lysate at 40ug, Lane 5: Rat Liver Tissue Lysate at 40ug. Predicted band size: 26 kDa. Observed band size: 26 kDa.