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39-2155: Anti-TNF alpha Polyclonal Antibody

Clonality :	Polyclonal
Application :	WB
Reactivity :	Rat
Gene :	Tnf
Gene ID :	103694380
Uniprot ID :	P16599
Format :	Lyophilized
Alternative Name :	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
Isotype :	Rabbit IgG
Immunogen Information :	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/TNFBR. 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

Amount :	100 µg/vial
Purification :	Immunogen affinity purified.
Content :	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.
Storage condition :	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 : 0.1-0.5Ã‚Â¼g/ml

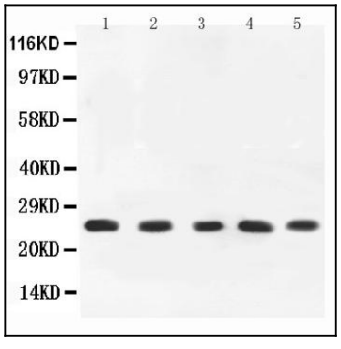


Figure 1: Anti-TNF alpha antibody(39-2155). Lanes: Anti-TNF alpha(39-2155) at 0.5ug/ml. Lane 1: PC-12 Whole Cell Lysate at 40ug, Lane 2: Rat Spleen Tissue Lysate at 40ug, Lane 3: Rat Brain Tissue Lysate at 40ug, Lane 4: Rat Kidney Tissue Lysate at 40ug, Lane 5: Rat Liver Tissue Lysate at 40ug. Predicted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

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