

# Anti-TNF alpha Antibody

## R1203-1



<b>Product Type:</b>	Rabbit polyclonal IgG, primary antibodies
<b>Species reactivity:</b>	Mouse
<b>Applications:</b>	WB, ELISA
<b>Molecular Wt:</b>	Predicted band size: 26 kDa

**Description:** TNF- $\alpha$ , the prototypical member of the TNF protein superfamily, is a homotrimeric type-II membrane protein. Membrane bound TNF- $\alpha$  is cleaved by the metalloprotease TACE/ADAM17 to generate a soluble homotrimer. Both membrane and soluble forms of TNF- $\alpha$  are biologically active. TNF- $\alpha$  is produced by a variety of immune cells including T cells, B cells, NK cells and macrophages. TNF- $\alpha$  plays a key regulatory role in inflammation and host defense against bacterial infection, notably Mycobacterium tuberculosis. The antibody detects active recombinant murine TNF alpha. The detective sensitivity by Western Blot is 5ng.

**Immunogen:** Synthetic peptide within mouse TNF alpha aa 40-80 and aa 170-210.

**Positive control:** Recombinant murine TNF alpha

**Subcellular location:** Secreted, membrane, cytoplasm.

**Database links:** SwissProt: P06804 Mouse

**Recommended Dilutions:**

<b>WB</b>	1:500-1:1,000
<b>ELISA</b>	1:10,000-20,000

**Storage Buffer:** 1\*PBS (pH7.4), 0.2% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

**Storage Instruction:** Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

**Purity:** Immunogen affinity purified.

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Orders: 0086-571-88062880

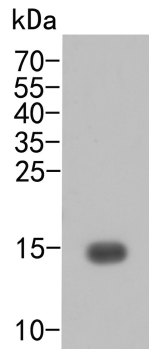
Technical:0086-571-89986345

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## Images



**Fig1:** Western Blot analysis of recombinant murine TNF-alpha using rabbit TNF alpha antibody.

Western blot analysis of TNF alpha on recombinant protein lysate. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (R1203-1, 1/1000) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:5,000 dilution was used for 1 hour at room temperature.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

## Background References

1. Aggarwal, B.B. (2003) Nat Rev Immunol 3, 745-56.
2. Hehlgans, T. and Pfeffer, K. (2005) Immunology 115, 1-20.
3. Lin, P.L. et al. (2007) J Investig Dermatol Symp Proc 12, 22-5.
4. Brennan, F.M. and McInnes, I.B. (2008) J Clin Invest 118, 3537-45.