

## TNF alpha (6H2) Mouse mAb

db6521

Package : 50µL 100µL

**Product Name** : TNF alpha (6H2) Mouse mAb**Cat.No.:** db6521**Synonyms** : TNF; TNFA; TNFSF2; Tumor necrosis factor; Cachectin; TNF-alpha; Tumor necrosis factor ligand superfamily member 2; TNF-a**Application** : WB, IHC-P**Reactivity** : Human, Rat, Mouse**Host species** : Mouse**Background**

Cytokine that binds to TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. It is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. It is potent pyrogen causing fever by direct action or by stimulation of interleukin-1 secretion and is implicated in the induction of cachexia. Under certain conditions it can stimulate cell proliferation and induce cell differentiation. Impairs regulatory T-cells (Treg) function in individuals with rheumatoid arthritis via FOXP3 dephosphorylation. Upregulates the expression of protein phosphatase 1 (PP1), which dephosphorylates the key 'Ser-418' residue of FOXP3, thereby inactivating FOXP3 and rendering Treg cells functionally defective (PubMed/23396208). Key mediator of cell death in the anticancer action of BCG-stimulated neutrophils in combination with DIABLO/SMAC mimetic in the RT4v6 bladder cancer cell line (PubMed/22517918).

**Immunogen**Synthetic Peptide of TNF  $\alpha$ **Gene ID**

7124

**Swiss Prot**

P01375

**Synonyms**

TNF; TNFA; TNFSF2; Tumor necrosis factor; Cachectin; TNF-alpha; Tumor necrosis factor ligand superfamily member 2; TNF-a

**Reactivity**

Human, Rat, Mouse

**Application**

WB, IHC-P

**Recommended dilution**WB: 1:500-1:1000  
IHC: 1:50-1:100**Calculated MW**

26 kDa

**Observed MW**

17,25 kDa

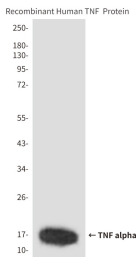
**Host species**

Mouse

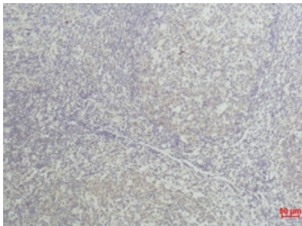
**Clonality**

Monoclonal

Clonality No.	6H2-4C6-5B6
Isotype	IgG1
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



Western blot analysis of TNF alpha in Recombinant Human TNF a Protein using TNF  $\alpha$  antibody.



Immunohistochemistry analysis of paraffin-embedded Human Tonsil Tissue using TNF  $\alpha$  antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.