

12-1042: Recombinant Rabbit Monoclonal Antibody to TNF-alpha (Tumor Necrosis Factor alpha)(Clone : TNF/1500R)

Clonality :	Monoclonal
Clone Name :	TNF/1500R
Application :	IHC
Reactivity :	Human, Rat
Gene :	TNF
Gene ID :	7124
Uniprot ID :	P01375
Format :	Purified
Alternative Name :	APC1, Cachectin, Differentiation inducing factor (DIF), Macrophage cytotoxic factor (MCF), Necrosin, TNF alpha, TNF Macrophage Derived, TNF Monocyte Derived, TNF Superfamily Member 2, TNFA, TNFSF2, Tumor necrosis factor ligand superfamily member 2, Tumor Necrosis Factor Precursor
Isotype :	Rabbit IgG
Immunogen Information :	Recombinant full-length human TNF-alpha protein

Description

This MAb recognizes human 17-26kDa protein, which is identified as cytokine TNF-alpha (Tumor Necrosis Factor-alpha). TNF-alpha can be expressed as a 17kDa free molecule, or as a 26kDa membrane protein. TNF-alpha is a protein secreted by lipopolysaccharide-stimulated macrophages, and causes tumor necrosis when injected into tumor bearing mice. TNF alpha causes cytolysis of certain transformed cells, being synergistic with interferon gamma in its cytotoxicity. Although it has little effect on many cultured normal human cells, TNF alpha appears to be directly toxic to vascular endothelial cells. Other actions of TNF alpha include stimulating growth of human fibroblasts and other cell lines, activating polymorphonuclear neutrophils and osteoclasts, and induction of interleukin 1, prostaglandin E2 and collagenase production. TNF alpha is currently being evaluated in treatment of certain cancers and AIDS Related Complex.

Product Info

Amount :	20 µg / 100 µg
Purification :	Purified Ab with BSA and Azide at 200ug/ml
Content :	200ug/ml of Ab purified. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Immunohistochemistry (Formalin-fixed) (4-8µg/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

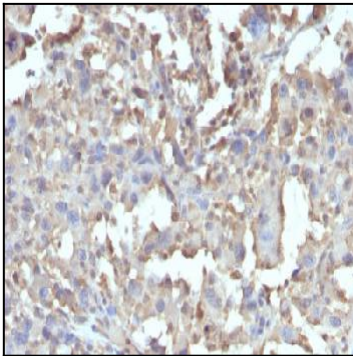


Figure 1: Formalin-fixed, paraffin-embedded Human Histiocytoma stained with TNF alpha Rabbit Recombinant MAb (TNF/1500R).

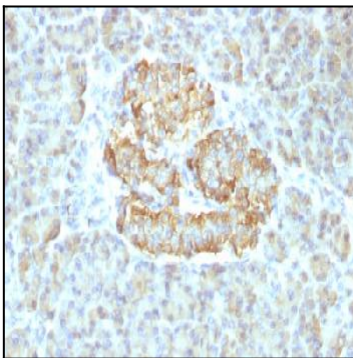


Figure 2: Formalin-fixed, paraffin-embedded Human Pancreas stained with TNF alpha Rabbit Recombinant MAb (TNF/1500R).

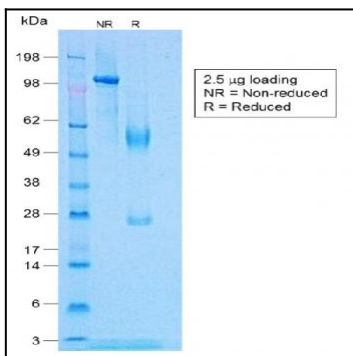


Figure 3: SDS-PAGE Analysis Purified TNF alpha Rabbit Recombinant MAb (TNF/1500R).