

## 36-3282: Anti-TNF-alpha (Tumor Necrosis Factor alpha) Monoclonal Antibody(Clone: TNF/1500R)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	TNF/1500R
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human, Rat
<b>Gene :</b>	TNF
<b>Gene ID :</b>	7124
<b>Uniprot ID :</b>	P01375
<b>Alternative Name :</b>	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
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	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

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/ml of Ab Purified from Bioreactor Concentrate. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

### Application Note

Immunohistochemistry (Formalin-fixed) (4-8ug/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);

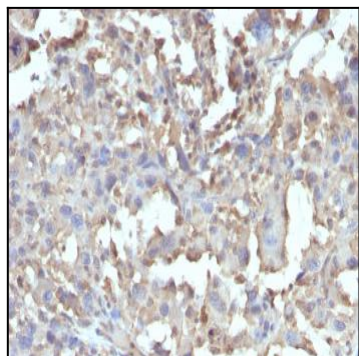


Fig. 1: Formalin-fixed, paraffin-embedded human Histiocytoma stained with TNF alpha Rabbit Recombinant Monoclonal Antibody (TNF/1500R).

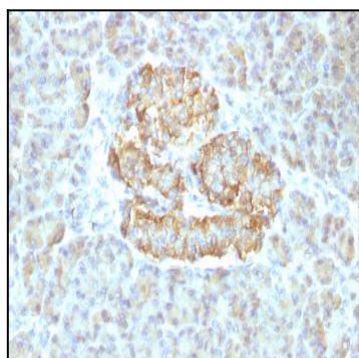


Fig. 2: Formalin-fixed, paraffin-embedded human Pancreas stained with TNF alpha Rabbit Recombinant Monoclonal Antibody (TNF/1500R).

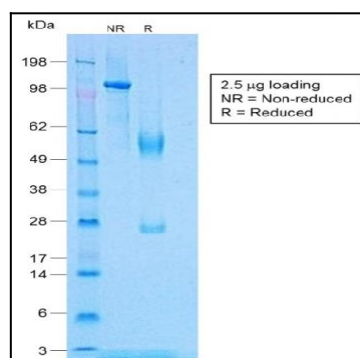


Fig. 3: SDS-PAGE Analysis Purified TNF alpha Rabbit Recombinant Monoclonal Antibody (TNF/1500R).