

## Product Datasheet

### TNF alpha antibody GRP45

#### Description

This 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/TNFR2. 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. [provided by RefSeq]

#### Species/Host

Rabbit

#### Reactivity

Human, Mouse, Rat, Bovine

#### Conjugation

Unconjugated

#### Tested Applications

ICC, IF, IHC-P, WB

#### Immunogen

Full length human TNF alpha Recombinant protein.

#### Form/Appearance

Liquid: 1XPBS, 1% BSA, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.

#### Concentration

0.04 mg/ml

#### Storage

Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

#### Note

For research use only.

#### Isotype

IgG

#### Clonality

Polyclonal

#### Purity

Purified by antigen-affinity chromatography.

#### Uniprot ID

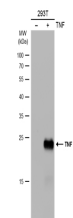
**P01375**

#### Entrez

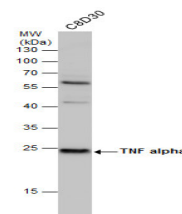
**7124**

#### Dilution Range

WB: 1:500-1:3000, ICC: 1:100-1:1000, IHC-P: 1:100-1:1000



Non-transfected (â€“) and transfected (+) 293T whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with TNF alpha antibody (GRP497) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect



TNF alpha antibody detects TNF alpha protein by western blot analysis. Whole cell extracts (30 µg) was separated by 12% SDS-PAGE, and the membrane was blotted with TNF alpha antibody (GRP497) diluted at 1:500. The HRP-conjugated