
Human Anti-Tumour Necrosis Factor Alpha Recombinant AntibodyCat

No. :KF-ab0004

- Expression Host:** Nicotiana benthamiana plants
- Clonality:** Monoclonal, recombinant
- Species and Isotype:** Human IgG1
- Description:** Recombinant human monoclonal antibody against TNF-Alpha cytokine, produced via Agrobacterium tumefaciens infiltration of Nicotiana benthamiana plants.
- Verified Applications:** Western blot, ELISA
- Dilution Range:** Western blot (1: 2 000 - 1: 20 000)
ELISA (1: 1 000 - 1: 10 000)
- Tested Species Reactivity :** Human
- Concentration :** 1 mg/ml
- Form :** Liquid
- Storage:** Short-term (up to one week): 2 - 8 ° C
Long term: Aliquot and store at - 20 ° C
Store immediately. Aliquot and avoid multiple freeze-thaw cycles.
- Storage Buffer:** 0.1 M Phosphate Buffered Saline, pH 7.4.
- Purification Notes:** This product was purified using Protein A affinity chromatography.
- Purity:** \geq 90 % as determined by SDS-PAGE.
98.28 % as determined by Mass Spectrometry.
- General Notes:** For Research Use only, unless otherwise indicated.

Image:

Human Anti-TNF Alpha ELISA Dose Response

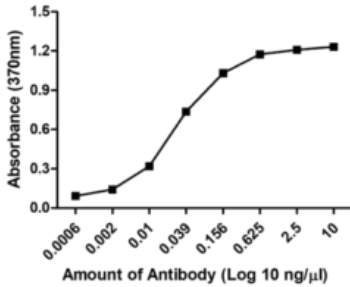


Figure 1: Functionality Testing of Human Anti-TNF-Alpha ELISA Dose Response curve showing increasing absorbance with increasing amounts 96 well plate coated with 0.4 ng/μl of TNF alpha antigen.

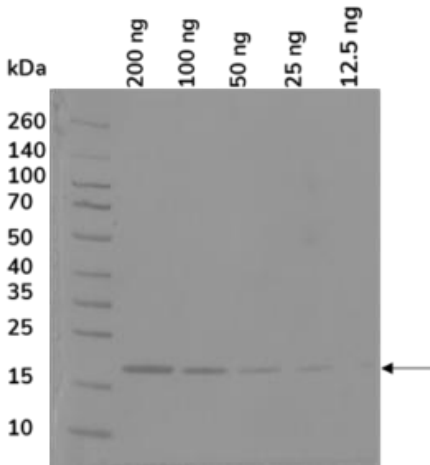


Figure 2: Western blot analysis of Human Anti-TNF-Alpha. Lanes 2 – 6: Varying amounts of TNF-Alpha were run on an SDS-PAGE gel. Separated bands were transferred to the membrane and Human Anti-TNF-α (1: 5 000) was used to detect the antigen. The single band of TNF-Alpha cytokine was visualized following the addition of anti-human secondary antibody with HRP and substrate. Our antibody was able to detect antigen amounts upwards of 25 ng (Lane 5).