

## ARG83583

## arigoQIK® Human TNF alpha ELISA Development Kit

Package: 1 kit(5 plates), 1 kit  
(15 plates)  
Store at: 4°C, -20°C

## Summary

## Product Description

ARG83583 arigoQIK® Human TNF alpha ELISA Development Kit, includes Capture antibody, Detection antibody, Standard, and HRP-Streptavidin Solution.  
This ELISA Development Kit is designed for the development of sandwich ELISA to measure Human TNF alpha in Serum, plasma and cell culture supernatants.

For other reagents required for [arigoQIK® ELISA Development Kit](#), please refer [ARG83524 Integral Reagent Kit \(ELISA Development Kit\)](#)

More about arigoQIK®:

- Optimized capture and detection antibody pairs
- Reduced incubation time and wash cycles
- 2-hour quicker than conventional ELISA process
- 5- and 15-plate packages available

## Tested Reactivity

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## Tested Application

ELISA

## Target Name

TNF alpha

## Conjugation

HRP

## Conjugation Note

Substrate: TMB and read at 450 nm.

## Sensitivity

7.8 pg/ml

## Sample Type

Serum, plasma and cell culture supernatants.

## Standard Range

15.6 - 1000 pg/ml

## Sample Volume

50 µl

## Alternate Names

TNF; Tumor Necrosis Factor; TNF-Alpha; TNFSF2; TNFA; DIF 2; Tumor Necrosis Factor Ligand Superfamily Member 2; TNF-A; Tumor Necrosis Factor (TNF Superfamily, Member 2); Tumor Necrosis Factor Ligand 1F; Tumor Necrosis Factor-Alpha; Tumor Necrotic Factor Alpha; TNF Superfamily, Member 2; TNF, Macrophage-Derived; TNF, Monocyte-Derived; APC1 Protein; Cachectin; TNLG1F

## Properties

## Form

96 well

## Storage instruction

Store components at 4°C or -20°C. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.

## Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

## Gene Symbol

TNF

## Gene Full Name

Tumor Necrosis Factor

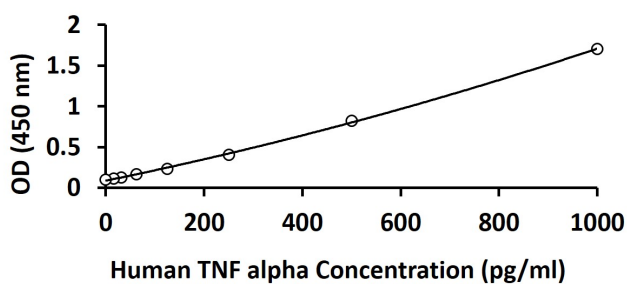
## Background

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/TNFR. 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, psoriasis, rheumatoid arthritis ankylosing spondylitis, tuberculosis, autosomal dominant polycystic kidney disease, and cancer. Mutations in this gene affect susceptibility to cerebral malaria, septic shock, and Alzheimer disease. Knockout studies in mice also suggested the neuroprotective function of this cytokine. [provided by RefSeq, Aug 2020]

Function	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.  Promotes osteoclastogenesis and therefore mediates bone resorption. [UniProt]
PTM	Disulfide bond, Glycoprotein, Lipoprotein, Myristate, Phosphoprotein. [UniProt]
Cellular Localization	Cell membrane, Membrane, Secreted. [UniProt]

## Images



ARG83583 arigoQIK Human TNF alpha ELISA Development Kit  
standard curve image

ARG83583 arigoQIK Human TNF alpha ELISA Development Kit results  
of a typical standard run with optical density reading at 450 nm.