SICGEN ANTIBODIES

Product Data Sheet

Catalogue No.	Qty:
AB0109-100	300 µg

anti-TNF alpha

Source: Goat

General description: Goat polyclonal antibody to TNF alpha. TNF-? is produced by a variety of immune cells including NK cells, B cells, T cells and macrophages. It is multifunctional proinflammatory cytokine that belongs to the tumour necrosis factor (TNF) superfamily. It can bind to, and thus functions through its receptors TNFRSF1A/TNFR1 and TNFRSF1B/TNFBR. It is involved in the regulation of several processes including lipid metabolism cell differentiation and proliferation, coagulation and apoptosis. It has been implicated in a variety of diseases, including cancer and autoimmune diseases.

Alternative names: APC1, cachectin; tumor necrosis factor ligand superfamily member 2, macrophage-derived TNF, TNF-a, TNF monocyte-derived, tumor necrosis factor-alpha antibody.

Form: Polyclonal antibody supplied as a 100 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

Immunogen: Purified recombinant human TNF alpha produced in E. coli.

Specificity: Detects a band of approximately 17 kDa using Raw264.7 cell line by Western blot.

Reactivity: Reacts with Human, Rat, Mouse, Monkey and Canine proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA
Human	+++	ND	ND	ND	ND
Rat	+++	ND	ND	ND	ND
Mouse	+++	ND	ND	ND	ND
Canine	+++	ND	ND	ND	ND
Monkey	+++	ND	ND	ND	ND

+++ excellent, ++ good, + poor, ND not determined

Usage:

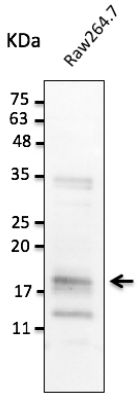
WB: 1:500-1:2,000

Storage: For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

Special instructions: The antibody solution should be gently mixed before use..

References:

1. Fernandes J, Martins F, Olea E, et al. bioRxiv 2023
2. Melo GM, Capucho AM, Sacramento JF, et al. Nutrients 2023 Dec PMID: 38201896



Anti-TNF-a Ab at 1/2,500 dilution; 100 µg of total protein lysate per lane; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;

For research use only, not for diagnostic use

SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.