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Rat TNF-α Antibody Pair Set

Catalog No. E-KAB-0113 Applications ELISA

Synonyms DIF, TNF-alpha, TNFA, TNFSF2

Kit components & Storage

Title	Specifications	Storage
Rat TNF-α Capture Antibody	1 vial, 100 μ g	Store at -20°C for one year.
		Avoid freeze / thaw cycles.
Rat TNF-α Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20°C for one year.
		Avoid freeze / thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0113)	
		Rat TNF-α Capture Antibody	Rat TNF-α Detection Antibody
			(Biotin)
Immunogen	Immunogen	Recombinant Rat TNF-α protein	Recombinant Rat TNF-α protein
Information	Swissprot	P16599	
Product details	Reactivity	Rat	Rat
	Host	Mouse	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50%	PBS with 0.04% Proclin 300, 1%
		glycerol, pH 7.4	protective protein, 50% glycerol, pH
			7.4
	Purify	Protein A or G	Antigen Affinity
	Specificity	Detects Rat TNF-α in ELISAs.	

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Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017 Web: www.elabscience.com Email: techsupport@elabscience.com



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Applications

Rat TNF-α Sandwich ELISA Assay:

	Recommended	Reagent	Images
	Concentration/Dilution		
ELISA	0.5-4μg/mL	Rat TNF-α Capture Antibody	
Capture			his 1
ELISA Detection	1:1000-1:10000	Rat TNF-α Detection Antibody (Biotin)	0.01 100 1000 10000 Rat TNF-α concentration(pg/mL)

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

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/TNFBR. 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.

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