Porcine TNF-α Antibody Pair Set

Catalog No. E-KAB-0609 **Applications** ELISA
Synonyms DIF;TNF-alpha;TNFA;TNFSF2

Kit components & Storage

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

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

Product Information

Items		Characteristic (E-KAB-0609)	
		Porcine TNF-α Capture Antibody	Porcine TNF-α Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Porcine TNF-α protien	Recombinant Porcine TNF-α protien
	Swissprot	P23563	
Product details	Reactivity	Porcine	Porcine
	Host	Mouse	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Protein A or G	Protein A or G
	Specificity	Detects Porcine TNF-α in ELISAs.	

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
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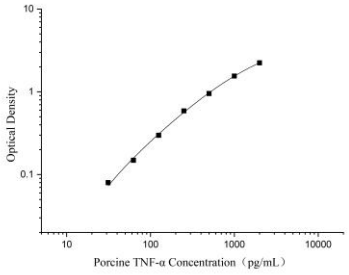
Applications

Porcine TNF-α Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Porcine TNF-α Capture Antibody	
ELISA Detection	1:1000-1:10000	Porcine TNF-α Detection Antibody (Biotin)	

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

Background

Cytokine that binds to TNFRSF1A/TNFR1 and TNFRSF1B/TNFBR. It is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. It is potent pyrogen causing fever by direct action or by stimulation of interleukin-1 secretion and is implicated in the induction of cachexia , Under certain conditions it can stimulate cell proliferation and induce cell differentiation.Induces insulin resistance in adipocytes via inhibition of insulin-induced IRS1 tyrosine phosphorylation and insulin-induced glucose uptake. Induces GKAP42 protein degradation in adipocytes which is partially responsible for TNF-induced insulin resistance.Plays a role in angiogenesis by inducing VEGF production synergistically with IL1B and IL6.Promotes osteoclastogenesis and therefore mediates bone resorption.

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