

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°C for one year. Avoid freeze/thaw cycles.
Porcine TNF- α Detection Antibody (Biotin)	1 vial, 50 μ L	Store at -20°C for one year. Avoid freeze/thaw cycles.

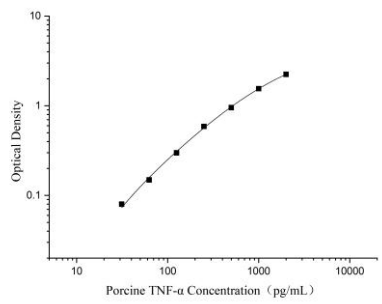
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-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.	

Applications

Porcine TNF- α Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μ g/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/TNFR. 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.