

Mouse IL-18 Antibody Pair Set

Catalog No.	E-KAB-0568	Applications	ELISA
Synonyms	IL18;IGIF;IL-1g;IL-1F4;Interferon-gamma-inducing factor		

Kit components & Storage

Title	Specifications	Storage
Mouse IL-18 Capture Antibody	1 vial, 100 µg	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Mouse IL-18 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.

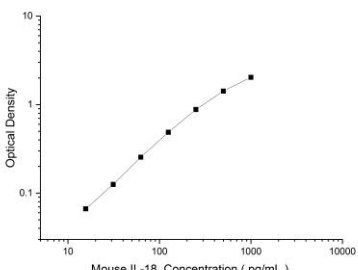
Product Information

Items		Characteristic (E-KAB-0568)	
		Mouse IL-18 Capture Antibody	Mouse IL-18 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse IL-18 protien	Recombinant Mouse IL-18 protien
	Swissprot	P70380	
Product details	Reactivity	Mouse	Mouse
	Host	Rat	Rabbit
	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 Mouse IL-18 in ELISAs.	

For Research Use Only

Applications

Mouse IL-18 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 µg/mL	Mouse IL-18 Capture Antibody	
ELISA Detection	1:1000-1:10000	Mouse IL-18 Detection Antibody (Biotin)	

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

Background

Interleukin-18 (IL-18) is a cytokine that belongs to the IL-1 superfamily and is produced by macrophages and other cells. IL-18 works by binding to the interleukin-18 receptor, and together with IL-12 it induces cell-mediated immunity following infection with microbial products like lipopolysaccharide (LPS). After stimulation with IL-18, natural killer (NK) cells and certain T cells release another important cytokine called interferon- γ (IFN- γ) or type II interferon that plays an important role in activating the macrophages or other cells. The combination of this cytokine and IL-12 has been shown to inhibit IL-4 dependent IgE and IgG1 production, and enhance IgG2a production in B cells. IL-18 binding protein (IL-18BP) can specifically interact with this cytokine, and thus negatively regulate its biological activity.