



A Reliable Research Partner in Life Science and Medicine

# **Human IL-27 Antibody Pair Set**

Catalog No. E-KAB-0225 Applications ELISA

**Synonyms** IL-27, IL-27A, IL27p28, IL30, MGC71873, p28,IL-27B

## **Kit components & Storage**

Title	Specifications	Storage
Human IL-27 Capture Antibody	1 vial, 100 μ g	Store at -20°C for one year.
		Avoid freeze / thaw cycles.
Human IL-27 Detection Antibody	1 vial, 50 μL	Store at -20°C for one year.
(Biotin)		Avoid freeze / thaw cycles.

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

#### **Product Information**

Items		Characteristic (E-KAB-0225)		
		Human IL-27 Capture Antibody	Human IL-27 Detection Antibody	
			(Biotin)	
Immunogen	Immunogen	Recombinant Human IL-27 protein	Recombinant Human IL-27 protein	
Information	Swissprot	Q8NEV9		
Product details	Reactivity	Human	Human	
	Host	Goat	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	Antigen Affinity	Antigen Affinity	
	Specificity	Detects Human IL-27 in ELISAs.	·	

For Research Use Only

Tel: 400-999-2100 Web: <a href="www.elabscience.cn">www.elabscience.cn</a> Email: <a href="mailto:techsupport@elabscience.cn">techsupport@elabscience.cn</a>





A Reliable Research Partner in Life Science and Medicine

### **Applications**

Human IL-27 Sandwich ELISA Assay:

	Recommended	Reagent	Images
	Concentration/Dilution		
ELISA	0.5-4µg/mL	Human IL-27 Capture Antibody	
Capture			Aist
ELISA Detection	1:1000-1:10000	Human IL-27 Detection Antibody (Biotin)	0.01 100 1000 10000 Human IL-27 concentration(pg/mL)

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

#### **Background**

IL-27, a member of IL-12/IL-23 heterodimeric family of cytokines, has pleiotropic properties that can enhance or limit immune responses. IL-27 is a heterodimeric cytokine composed of two subunits: IL-27a and IL-27b. IL-27 acts on various cell types, including T cells, B cells, macrophages, dendritic cells, natural killer (NK) cells and non-hematopoietic cells. IL-27 plays a critical role in the early regulation of T helper type 1 initiation, and enhances proliferation of naive CD4+T cells and naive B cells. It, however, also exerts anti-inflammatory functions by inhibiting the development of Th17 cells and inducing IL-10 producing type 1 regulatory T cells. IL-27 is a potentially promising cytokine for therapeutic approaches on various human diseases.

Tel: 400-999-2100 Web: <a href="www.elabscience.cn">www.elabscience.cn</a> Email: <a href="mailto:techsupport@elabscience.cn">techsupport@elabscience.cn</a>