Human IL-29 Antibody Pair Set

Catalog No. E-KAB-0232 **Applications** ELISA
Synonyms IFNL1, IL-29, IL29, interferon, lambda 1, interferon lambda 1

Kit components & Storage

Title	Specifications	Storage
Human IL-29 Capture Antibody	1 vial, 100 μ g	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Human IL-29 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-0232)	
		Human IL-29 Capture Antibody	Human IL-29 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human IL-29 protein	Recombinant Human IL-29 protein
	Swissprot	Q8IU54	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A	Protein A
	Specificity	Detects Human IL-29 in ELISAs.	

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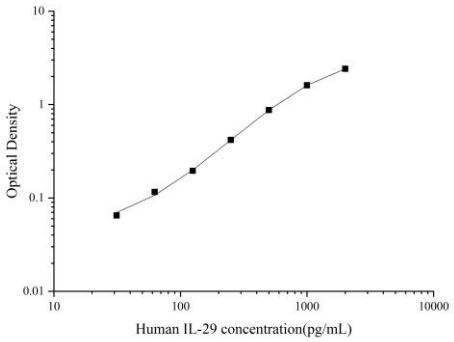
Applications

Human IL-29 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4μg/mL	Human IL-29 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human IL-29 Detection Antibody (Biotin)	

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

Background

Cytokine with antiviral,antitumour and immunomodulatory activities. Plays a critical role in the antiviral host defense,predominantly in the epithelial tissues. Acts as a ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IFNLR1,and receptor engagement leads to the activation of the JAK/STAT signaling pathway resulting in the expression of IFN-stimulated genes (ISG),which mediate the antiviral state. Has a restricted receptor distribution and therefore restricted targets: is primarily active in epithelial cells and this cell type-selective action is because of the epithelial cell-specific expression of its receptor IFNLR1. Exerts an immunomodulatory effect by up-regulating MHC class I antigen expression.

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