Human IL-17A Antibody Pair Set

Catalog No. E-KAB-0115 **Applications** ELISA

Synonyms CTLA8, CTLA-8, CTLA8cytotoxic T-lymphocyte-associated serine esterase 8, Cytotoxic T-lymphocyte-associated antigen 8, IL17, IL-17, IL17A, IL-17A, IL-17Acytotoxic T-lymphocyte-associated protein 8, IL-17CTLA-8

Kit components & Storage

Title	Specifications	Storage
Human IL-17A Capture Antibody	1 vial, 100 μg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Human IL-17A 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-0115)	
		Human IL-17A Capture Antibody	Human IL-17A Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human IL-17A protein	Recombinant Human IL-17A protein
	Swissprot	Q16552	
Product details	Reactivity	Human	Human
	Host	Mouse	Goat
	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 or G	Antigen Affinity
	Specificity	Detects Human IL-17A in ELISAs.	

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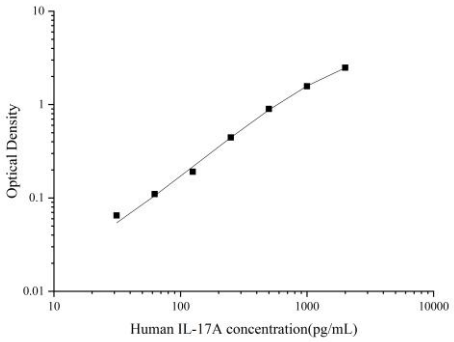
Applications

Human IL-17A Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4μg/mL	Human IL-17A Capture Antibody	
ELISA Detection	1:1000-1:10000	Human IL-17A Detection Antibody (Biotin)	

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

Background

IL17A,also named as IL-17,is a proinflammatory cytokine. IL-17,synthesized only by memory T cells and natural killer cells,has pleiotropic effects,mainly in the recruitment and activation of neutrophils. This cytokine regulates the activities of NF-kappaB and mitogen-activated protein kinases. This cytokine can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2),as well as enhance the production of nitric oxide (NO). High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis,psoriasis and multiple sclerosis. The IL-17 receptor is a type I transmembrane protein,that is widely expressed on epithelial cells,fibroblasts,B and T cells,and monocytic cells. In psoriatic skin lesions,both Th17 cells and their downstream effector molecules,e.g. IL-17 and IL-22,are highly increased.

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