Human IL-17F Antibody Pair Set

Catalog No. E-KAB-0708 **Applications** ELISA
Synonyms Cytokine ML-1;IL17F;IL-17F;IL-17Finterleukin-17F;interleukin 17F

Kit components & Storage

Title	Specifications	Storage
Human IL-17F Capture Antibody	1 vial, 100 μ g	Store at -20℃. Avoid freeze / thaw cycles.
Human IL-17F Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃. Avoid freeze / thaw cycles.

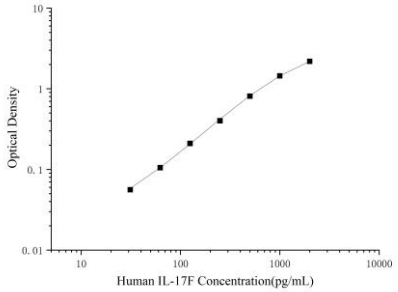
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0708)	
		Human IL-17F Capture Antibody	Human IL-17F Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human IL-17F protein	Recombinant Human IL-17F protein
	Swissprot	Q96PD4	
Product details	Reactivity	Human	Human
	Host	Goat	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	Affinity purification	Affinity purification
	Specificity	Detects Human IL-17F in ELISAs.	

Applications

Human IL-17F Sandwich ELISA Assay:

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

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

Background

IL-17F belongs to the IL-17 cytokine family which includes IL-17A,B,C,D,and E (also called IL-25). IL-17F shares the strongest homology to IL-17A. They share 50% amino acid sequence homology. Similar to IL-17,IL-17F utilizes IL-17RA and IL-17RC as its receptor and employs Act1 and TRAF6 as its signal transducers to induce the expression of pro-inflammatory cytokines and chemokines in many different cell types. IL-17F expression is upregulated in inflammatory bowel disease. A His161 to Arg161 (H161R) substitution in the third exon of the IL17F gene seems to be associated with asthma and chronic obstructive pulmonary disease (COPD) in Japanese subjects. In addition polymorphism of IL-17F seems to be associated to susceptibility to gastric cancer.