Human IL-8 Antibody Pair Set

Catalog No. E-KAB-0047 **Applications** ELISA

Synonyms IL8, CXCL8, GCP-1, GCP1, LECT, LUCT, LYNAP, MDNCF, MONAP, NAF, NAP-1, NAP1, 3-10C, AMCF-I, K60

Kit components & Storage

Title	Specifications	Storage
Human IL-8 Capture Antibody	1 vial, 100 μ g	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Human IL-8 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze / thaw cycles.

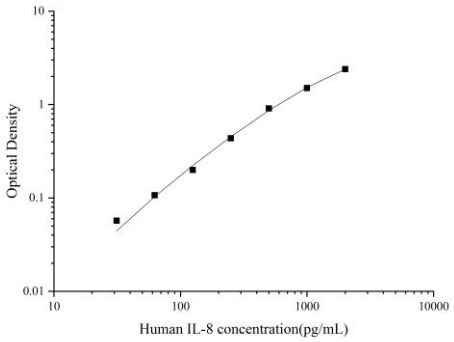
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0047)	
		Human IL-8 Capture Antibody	Human IL-8 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human IL-8 protein	Recombinant Human IL-8 protein
	Swissprot	P10145	
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-8 in ELISAs.	

Applications

Human IL-8 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4μg/mL	Human IL-8 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human IL-8 Detection Antibody (Biotin)	

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

Background

Interleukin 8 (IL-8),also known as CXCL8,which is a member of the CXC chemokine family. This chemokine is secreted by a variety of cell types including monocyte/macrophages,T cells,neutrophils,fibroblasts,endothelial cells,and various tumor cell lines in response to inflammatory stimuli. IL-8 has two primary functions. It induces chemotaxis in target cells,primarily neutrophils but also other granulocytes,causing them to migrate toward the site of infection. IL-8 also induces phagocytosis once they have arrived. This gene is believed to play a role in the pathogenesis of bronchiolitis,a common respiratory tract disease caused by viral infection. IL-8 is also known to be a potent promoter of angiogenesis. IL-8 has been associated with tumor angiogenesis,metastasis,and poor prognosis in breast cancer. IL-8 may present a novel therapeutic target for estrogen driven breast carcinogenesis and tumor progression.