Human CXCL7 Antibody Pair Set

Catalog No. E-KAB-0219 **Applications** ELISA
Synonyms βTG,PBP,CXCL7,NAP2

Kit components & Storage

Title	Specifications	Storage
Human CXCL7 Capture Antibody	1 vial, 100 μg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Human CXCL7 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze / thaw cycles.

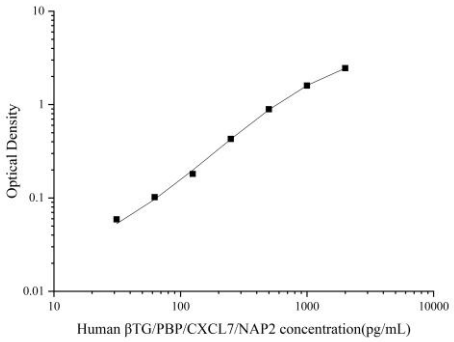
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0219)	
		Human CXCL7 Capture Antibody	Human CXCL7 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human CXCL7 protein	Recombinant Human CXCL7 protein
	Swissprot	P02775	
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 CXCL7 in ELISAs.	

Applications

Human CXCL7 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4μg/mL	Human CXCL7 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human CXCL7 Detection Antibody (Biotin)	

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

Background

PPBP (Pro-Platelet Basic Protein) is a Protein Coding gene. Diseases associated with PPBP include Erythromelalgia and Colloid Adenoma. Among its related pathways are GPCR Pathway and Peptide ligand-binding receptors. GO annotations related to this gene include growth factor activity and glucose transmembrane transporter activity. An important paralog of this gene is CXCL1. The protein encoded by this gene is a platelet-derived growth factor that belongs to the CXC chemokine family. This growth factor is a potent chemoattractant and activator of neutrophils. It has been shown to stimulate various cellular processes including DNA synthesis, mitosis, glycolysis, intracellular cAMP accumulation, prostaglandin E2 secretion, and synthesis of hyaluronic acid and sulfated glycosaminoglycan. It also stimulates the formation and secretion of plasminogen activator by synovial cells. The protein also is an antimicrobial protein with bactericidal and antifungal activity.