Human IGF-1 Antibody Pair Set

Catalog No. E-KAB-0038 **Applications** ELISA
Synonyms IGF1, IGFI, IGF-I, IGF1A, IGF-IA, IGF-IB, MGF, Somatomedin C

Kit components & Storage

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

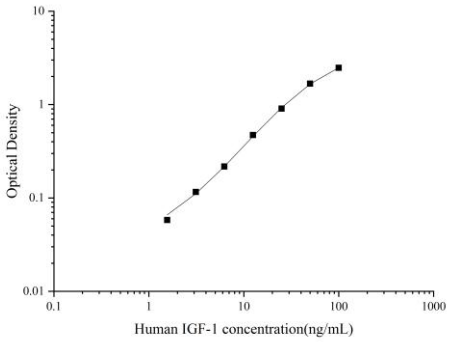
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0038)	
		Human IGF-1 Capture Antibody	Human IGF-1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human IGF-1 protein	Recombinant Human IGF-1 protein
	Swissprot	P05019	
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 or G	Protein A or G
	Specificity	Detects Human IGF-1 in ELISAs.	

Applications

Human IGF-1 Sandwich ELISA Assay:

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

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

Background

IGF1, also named as IBP1, MGF, IGF-IA and Somatomedin-C, belongs to the insulin family. IGF1 is structurally and functionally related to insulin but have a much higher growth-promoting activity. Altered expression or mutation of IGF-1 is associated with several human disorders, including type I diabetes and various forms of cancer. Defects in IGF1 are the cause of insulin-like growth factor I deficiency (IGF1 deficiency) which is an autosomal recessive disorder characterized by growth retardation, sensorineural deafness and mental retardation. The antibody is specific to isoform IGF-1A.