Human INS Antibody Pair Set

Catalog No. E-KAB-0049 **Applications** ELISA
Synonyms IDDM2;ILPR;IRDN;MODY10

Kit components & Storage

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

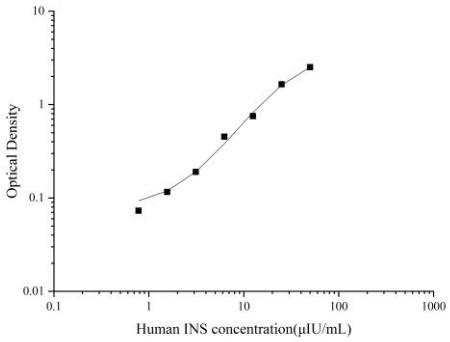
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0049)	
		Human INS Capture Antibody	Human INS Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human INS protein	Recombinant Human INS protein
	Swissprot	P01308	
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	Protein A
	Specificity	Detects Human INS in ELISAs.	

Applications

Human INS Sandwich ELISA Assay:

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

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

Background

Insulin is a peptide hormone,produced by beta cells of the pancreas,and is central to regulating carbohydrate and fat metabolism in the body. It participates in glucose utilization,protein synthesis and in the formation and storage of neutral lipids. Insulin is synthesized as a precursor molecule,proinsulin,which is processed prior to secretion. A- and B-peptides are joined together by a disulfide bond to form insulin,while the central portion of the precursor molecule is cleaved and released as the C-peptide. Defects in insulin results in type 1 diabetes mellitus. Insulin may also exist 36 kDa form corresponding to the hexameric insulin form.