

Mouse INS Antibody Pair SetSet

Catalog No.	E-KAB-0298	Applications	ELISA
Synonyms	IDDM2;ILPR;IRDN;MODY10		

Kit components & Storage

Title	Specifications	Storage
Mouse INS Capture Antibody	1 vial, 100 µg	Store at -20°C. Avoid freeze/thaw cycles.
Mouse INS Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C. Avoid freeze/thaw cycles.

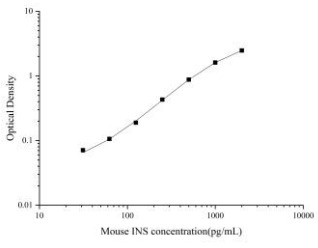
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0298)	
		Mouse INS Capture Antibody	Mouse INS Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse INS protein	Recombinant Mouse INS protein
	Swissprot	P01325(Ins1)&P01326(Ins2)	
Product details	Reactivity	Mouse	Mouse
	Host	Mouse	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/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 Mouse INS in ELISAs.	

Applications

Mouse INS Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 µg/mL	Mouse INS Capture Antibody	
ELISA Detection	1:1000-1:10000	Mouse 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 result in type 1 diabetes mellitus. Insulin may also exist 36 kDa form corresponding to the hexameric insulin form.