Rat IGF-1 Antibody Pair Set

Catalog No. E-KAB-0650 **Applications** ELISA
Synonyms IGF1;IGFI;IGF-I;IGF1A;IGF-IA;IGF-IB;MGF;Somatomedin C

Kit components & Storage

Title	Specifications	Storage
Rat IGF-1 Capture Antibody	1 vial, 100 μg	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Rat 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-0650)	
		Rat IGF-1 Capture Antibody	Rat IGF-1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Rat IGF-1 protein	Recombinant Rat IGF-1 protein
	Swissprot	P08025	
Product details	Reactivity	Rat	Rat
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Rat IGF-1 in ELISAs.	

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
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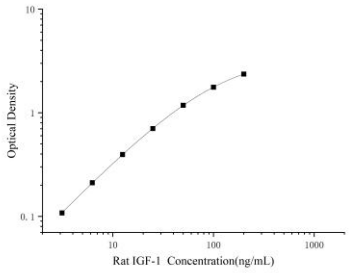
Applications

Rat IGF-1 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Rat IGF-1 Capture Antibody	
ELISA Detection	1:1000-1:10000	Rat 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.

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