

Human HbA1c Antibody Pair Set

Catalog No.	E-KAB-0475	Applications	ELISA
Synonyms	Glycated hemoglobin;A1C;Hb1c		

Kit components & Storage

Title	Specifications	Storage
Human HbA1c Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human HbA1c Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

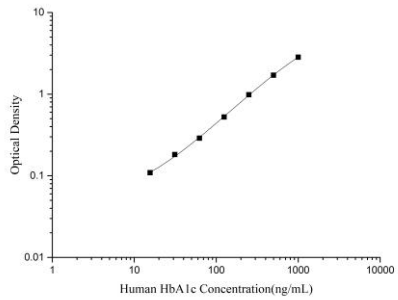
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0475)	
		Human HbA1c Capture Antibody	Human HbA1c Detection Antibody (Biotin)
Immunogen Information	Immunogen	Natural Human HbA1c protien	Natural Human HbA1c protien
	Swissprot	/	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	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	Protein A or G	Protein A or G
	Specificity	Detects Human HbA1c in ELISAs.	

Applications

Human HbA1c Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 µg/mL	Human HbA1c Capture Antibody	
ELISA Detection	1:1000-1:10000	Human HbA1c Detection Antibody (Biotin)	

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

Background

Glycated hemoglobin (HbA1c) is formed by hemoglobin's exposure to plasma glucose in a non-enzymatic process. As the average amount of plasma glucose increases, the fraction of HbA1c scales up. HbA1c reflects average plasma glucose over the previous eight to twelve weeks and it can be used as a marker to measure long-term blood glucose levels. HbA1c test is routinely performed in people with type 1 and type 2 diabetes to evaluate how well diabetes is controlled.