

Datasheet for ABIN7543441

Recombinant anti-HbA1c antibody (N-Term)



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Overview

Quantity:	100 µg
Target:	HbA1c
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This HbA1c antibody is un-conjugated
Application:	ELISA

Product Details

Purpose:	Anti-HbA1c [1G8], Rabbit IgG, kappa
Immunogen:	The original antibody was generated by immunizing BALB/c mice with synthetic N-terminal glycopeptide (VHLTPEC) and KLH conjugate.
Clone:	1G8
Isotype:	IgG kappa
Specificity:	This antibody binds human hemoglobin glycosylated at the N-terminal valine of the hemoglobin β chain and does not cross react with non-glycosylated hemoglobin. Glycosylated hemoglobin is formed by the conjugation of a hexose sugar to the beta-chain of hemoglobin. Glycosylated hemoglobin A1c (HbA1c) levels are used as an indicator of average plasma glucose concentration in diabetic patients. Levels of more than 48 mmol/mol (6.5 %) are used as a

Product Details

criterion for the diagnosis of diabetes. Higher levels of HbA1c are also associated with cardiovascular disease.

Characteristics: Original Species of Ab: Mouse
Original Format of Ab: IgG2a

Purification: Protein A affinity purified

Target Details

Target: HbA1c

Alternative Name: HbA1c ([HbA1c Products](#))

Background: GHb, A1C, HBB, hemoglobin A1c, glycosylated hemoglobin HbA1c, glycosylated hemoglobin, glycohemoglobin, glycated hemoglobin, haemoglobin, haemoglobin A1c, Hemoglobin subunit beta, Beta-globin, Hemoglobin beta chain

UniProt: [P68871](#)

Application Details

Application Notes: This antibody is recommended for detection of HbA1c levels in plasma and blood samples. The binding reactivity of this antibody towards HbA1c and non-glycated hemoglobin was done using indirect ELISA. The binding reactivity of this antibody to HbA1c was compared to commercially available anti-HbA1c antibody BM300-F7C2 and it was reported that this antibody showed better specificity for HbA1c (CN110724671).

Comment: This is a chimeric antibody made using the variable domain sequences of the original Mouse IgG2a to improve compatibility with existing reagents, assays, and techniques.

Restrictions: For Research Use only

Handling

Concentration: 1 mg/mL

Buffer: PBS with 0.02 % Proclin 300.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Handling

Storage Comment: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.