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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-HbA1c [1G8] Standard Size Ab03870-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG2a format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: 1G8

Alternative Name(s) of Target: 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 Accession Number of Target Protein: P68871

Published Application(s): ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing BALB/c mice with synthetic N-terminal glycopeptide (VHLTPEC) and KLH conjugate.

Specificity: This antibody binds human hemoglobin glycated at the N-terminal valine of the hemoglobin β chain and does not cross react with non-glycated hemoglobin. Glycated 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 criterion for the diagnosis of diabetes. Higher levels of HbA1c are also associated with cardiovascular disease.

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).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

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

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.