



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-HbA1c [1G8] Standard Size Ab03870-2.3

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 mouse IgG2a Fc Silent™ antibody, based on the original mouse IgG2a format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG2a, [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.