Glycated Hemoglobin (HbA1c)

Item Number: HbA1c

Introduction

Find high-quality Glycated Hemoglobin HbA1c antibodies and assay kits here. Ideal for precise diagnostic testing and effective diabetes management. Explore now!

Learn More

Feature	Description
Product Name	Anti-h HbA1c
Description	Monoclonal mouse antibody, cultured *in vitro* under conditions free from animal-derived components.
Application	FIA (Fluorescence Immunoassay)
Form/Appearance	Liquid, may turn slightly opaque during storage
Concentration	5.0 mg/ml (+/- 10 %)
Isotype	IgG1
Clonality	Monoclonal
Epitope	N-terminal end of the beta chain
Purity	≥ 95 %
Affinity constant	N/D
Buffer	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN3 as a preservative
IEF Profile	6.7–7.7
Cross Reactivity	Does not recognize non-glycated hemoglobin A1.
Specificity	Antibody recognizes human glycated hemoglobin A1

Condition	Specification
Storage	+2-8°C
Shipping	Cold packs
Shelf Life	18 months

Indicator	Specification
Package	Product outer packaging box, aluminum foil packaging bag should be complete and undamaged.
Traceability	According to GB/T21415-2008, provide the assignment process, source, measurement uncertainty, etc. of the calibrators used.
Detection Buffer Appearance	The buffer should be clear and transparent, without suspended matter. The bottle should be tight and leak-proof.
Detection Buffer Volume	Buffer volume is 1mL, and the net content should be within the range of 1.0g±0.05g.
Detection Buffer pH	The pH of the buffer should be within the range of 7.2±0.2.
Test Strip Appearance	The appearance should be neat and flat, without burrs, damage, or pollution; the material should be firmly attached.
Test Strip Width	The width should not exceed ±0.20mm of the nominal value, and the nominal value is 4.00mm.
Migration Speed	The liquid migration speed should not be less than 10mm/min.
Limit of Detection	The limit of detection should not be higher than 2.0%.
Linearity Range	Within the range of 2.0%~14.0%, the linear correlation coefficient r≥0.990.
Accuracy (Comparison Test)	Correlation coefficient r≥0.975, relative deviation not greater than ±20%.
Accuracy (Relative Deviation)	Relative deviation not greater than ±20%.

Feature	Description
Condition	Specification
Indicator	Specification
Repeatability	Repeatability should not be greater than 10%.
Batch-to-batch Precision (Inter-batch difference)	Inter-batch difference should not be greater than 15%.
Stability	When stored at 4~30℃ in a sealed aluminum foil bag, take the product within 1 month of the expiration date for testing, and the test results should meet the requirements in items 2.3~2.8.