

Certificate of Analysis

Ludger-BioQuant 2AB Labelled Chitotriose Standard

Cat. #: BQ-CAB-CHI-01
Size: 112.7 ± 0.15 pmols

Batch: B55K-07
Expiry: 20 May 2020

The 2AB labelled chitotriose standard is a fluorescently tagged linear tri-N-acetylglucosamine quantitative standard. The standard has been accurately dispensed from a bulk solution, the concentration of which has been determined by quantitative NMR.

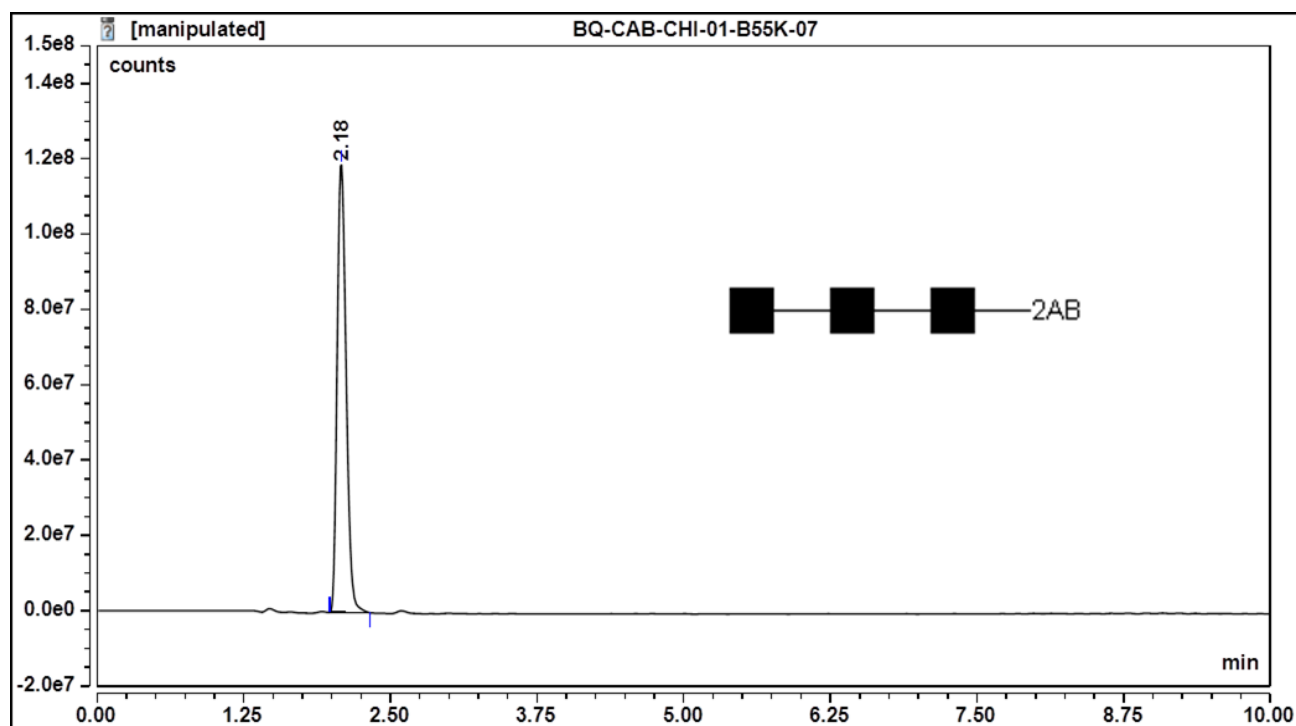


Figure 1: Waters BEH column HPLC profile of 2AB labelled chitotriose standard (Cat. #: BQ-CAB-CHI-01, Batch B55K-07).

Accuracy: Analysis of the dispensed product was performed on 12 vials of BQ-CAB-CHI-01.
The value determined was 112.7 pmols (± 0.15) pmol chitotriose per Vial.
Values are in pmols $\pm 95\%$ confidence interval.

2AB labeled chitotriose standards eluted under the following HPLC conditions:

Column: Waters BEH glycan 1.7µm column (150mm)

Flow: 0.56 ml/min.

Temperature: 60 °C

Solvent A: 50mM ammonium formate pH4.4

Solvent B: 100% acetonitrile

<u>Gradient:</u>	<u>Time</u>	<u>%B</u>
	0.0	78.0
	5.0	72.5
	5.5	40.0
	6.0	78.0
	10.0	78.0

HPLC: Dionex U3000 UHPLC Detector: U3000 FD

Excitation wavelength: 250 nm

Emission wavelength: 428 nm

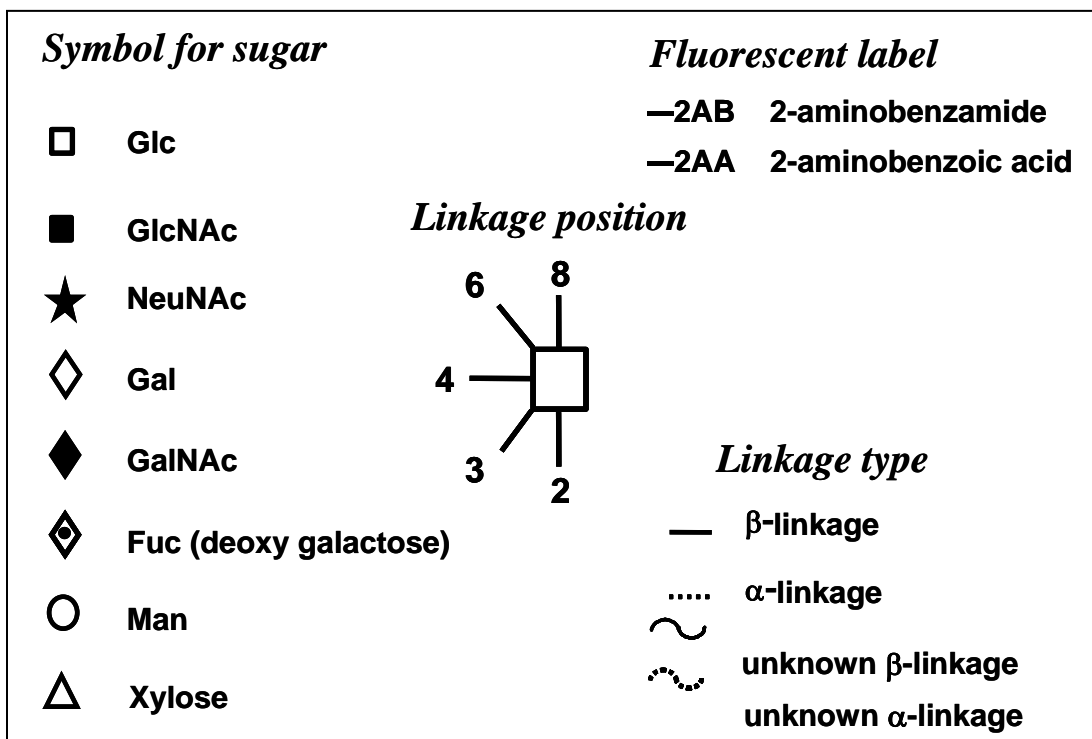


Figure 2: GlycoBase glycan structure key