

## Certificate of Analysis

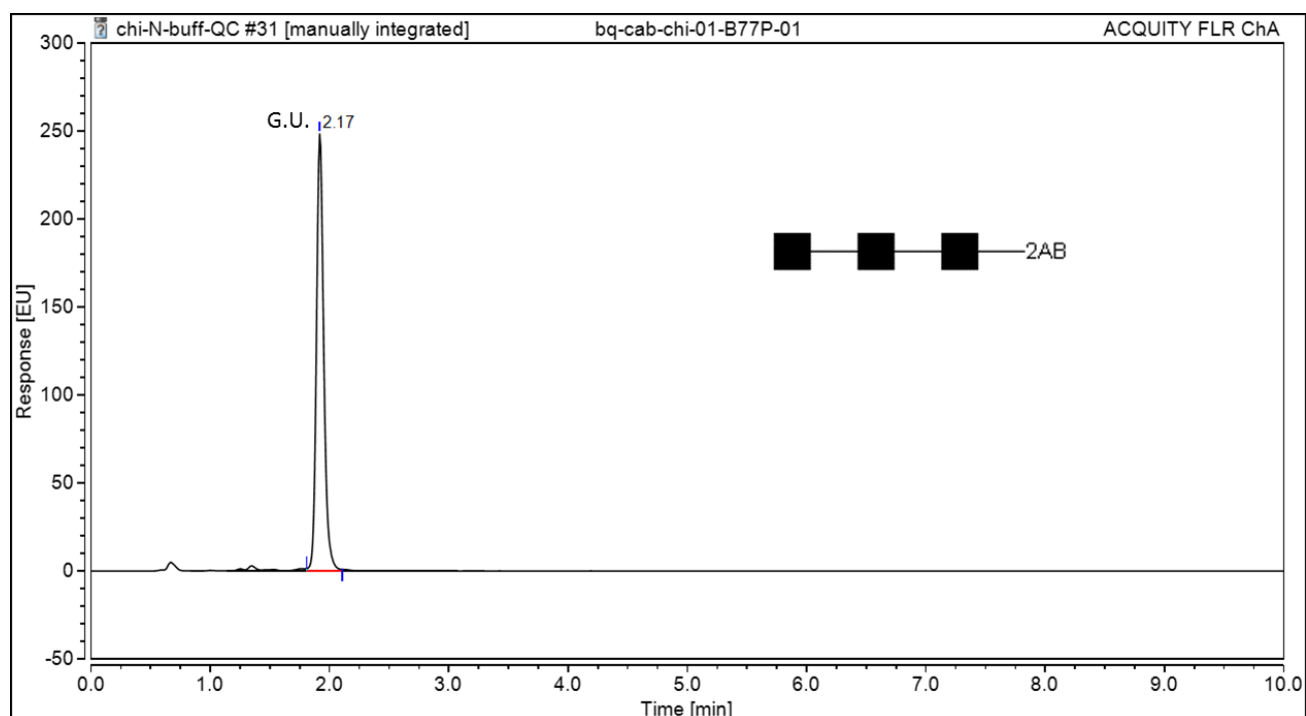
## Ludger-BioQuant™ 2AB Labelled Chitotriose Standard

Cat. #: BQ-CAB-CHI-01

Batch: B77P-01

Size: 102.7±2.08 pmol

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 B77P-01).

**Accuracy:** This analysis was performed on 12 vials of BQ-CAB-CHI-01.

**The dispensed amount was determined as 102.7±2.08 pmol chitotriose per vial.**

Values are in pmols ±%RSD.

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

**Column:** Waters BEH Glycan 1.7µm column (150mm)

**Flow:** 0.4mL/min.

**Temperature:** 60 °C

**Solvent A:** 50mM ammonium formate pH 4.4 **Solvent B:** 100 % acetonitrile

**Gradient:**

| Time (min) | %B   |
|------------|------|
| 0.0        | 72.0 |
| 27         | 62.0 |
| 30         | 100  |
| 32         | 100  |
| 33         | 72   |
| 35         | 72   |

**Detector:** Fluorescence

**Excitation wavelength:** 250 nm

**Emission wavelength:** 428 nm

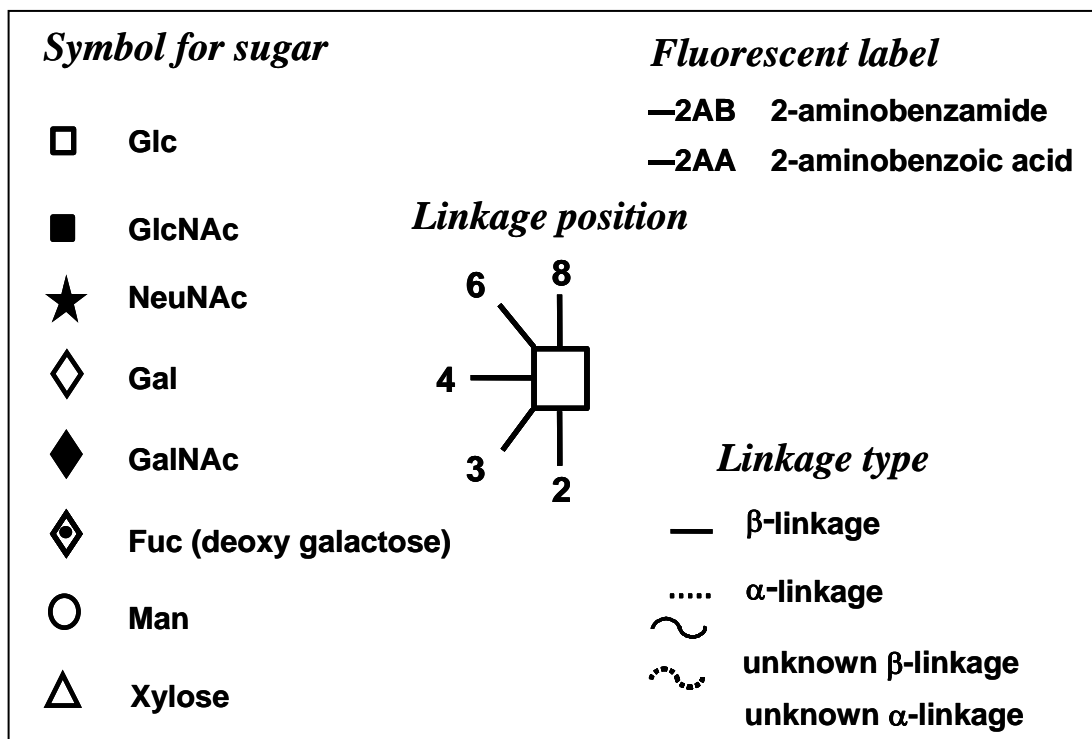


Figure 2: GlycoBase glycan structure key