

## Certificate of Analysis

### LudgerPure™ 2AB Labeled A3 Glycan

Cat. #: CAB-A3-01

Batch: B91B-07

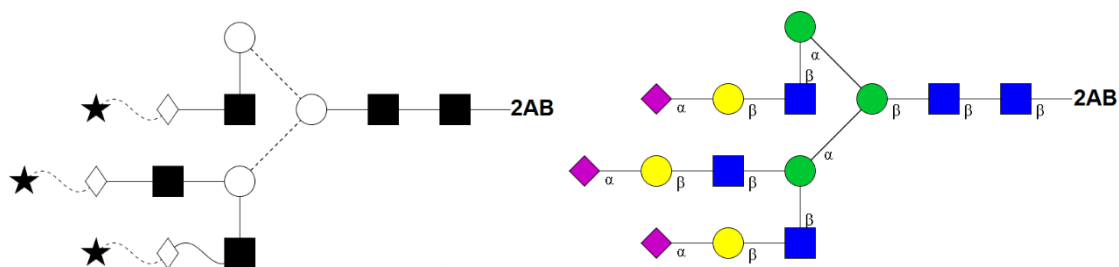
Size: approx. 100 pmol

Expiry Date: 15 JAN 2024

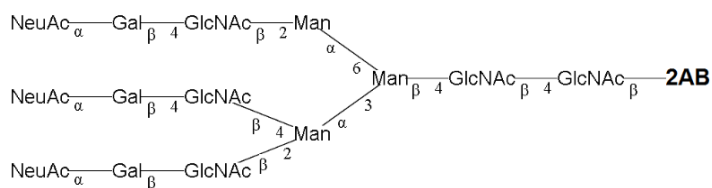
#### Alternative Names

A3G3S3

#### Glycan Structure



#### Oxford Notation

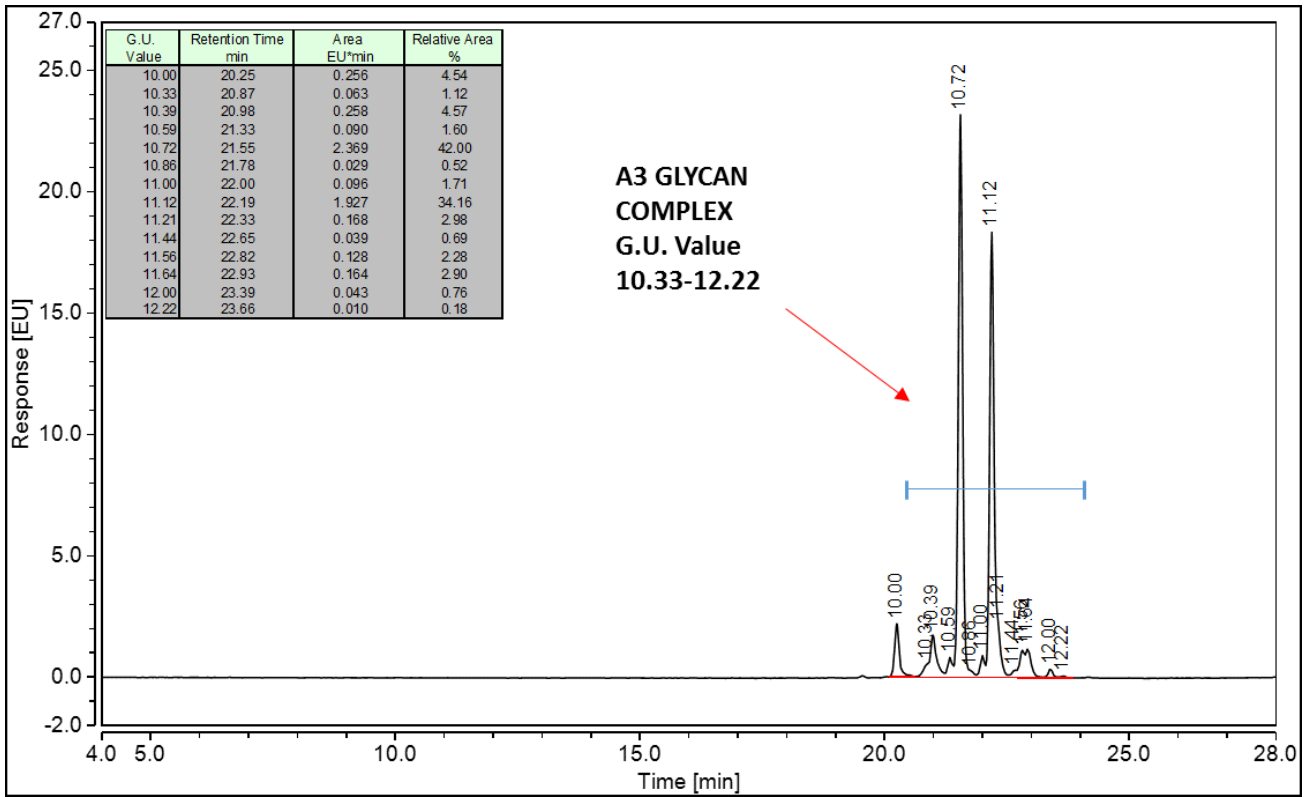


#### CFG Notation

#### Text Notation

**Purity:** 95.46% 2AB labeled A3 glycan, as assessed by HPLC - see Fig 1.

**Amount:** Sample vial determined to contain 89.3 pmols A3 glycan – Test performed 15 Jan 2019.



**Figure 1:** HILIC HPLC profile of 2AB labelled A3glycan (see method conditions below) (Cat. #: CAB-A3-01, Batch B91B-07).

\*A3 glycan structure identified by MALDI, MS & HPLC (GU value comparison to GlycoBase). This structure is drawn according to the scheme developed by Oxford-Dublin Glycobiology Laboratory (see Fig 2).

**2AB A3 peakS seen above, eluted between 20.86-23.6 minutes, under the following conditions:**

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

**Flow:** 0.56mL/min.

**Temperature:** 60 °C

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

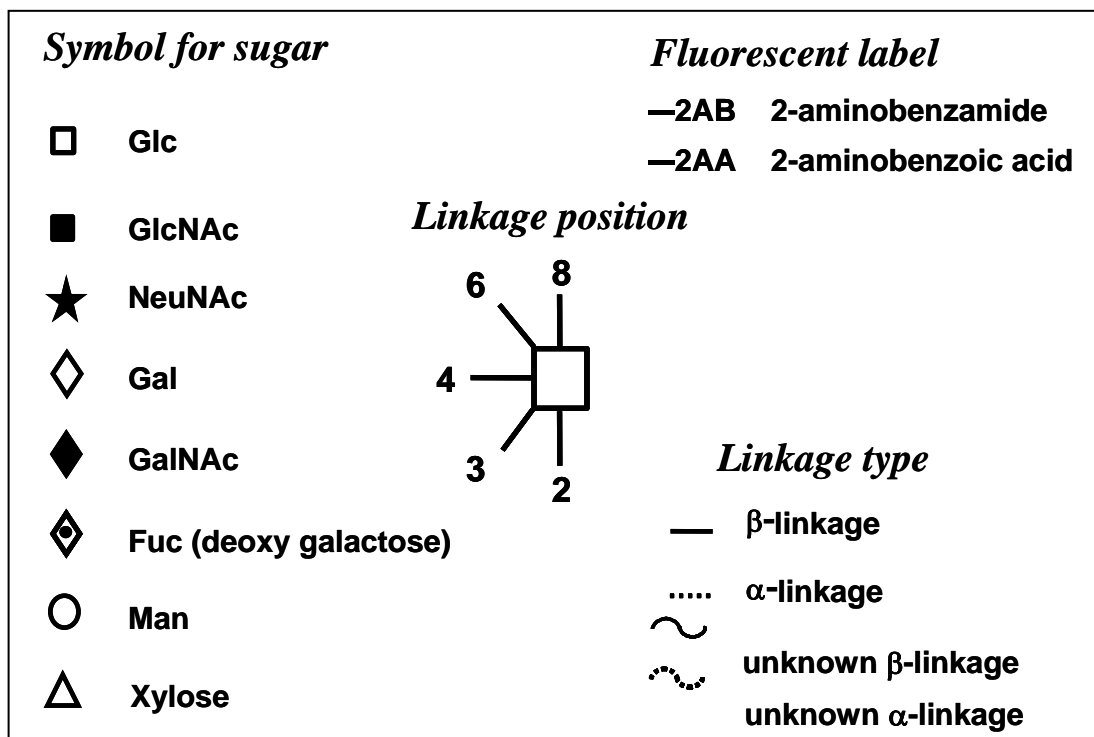
**Gradient:**

| Time (min) | %B   |
|------------|------|
| 0.0        | 78.0 |
| 1.5        | 78.0 |
| 24.8       | 58.0 |
| 25.8       | 40.0 |
| 25.9       | 78.0 |
| 31.0       | 78.0 |

**Detector:** Fluorescence

**Excitation wavelength:** 250 nm

**Emission wavelength:** 428 nm



*Figure 2: GlycoBase glycan structure key.*