

## Certificate of Analysis

### LudgerPure™ 2AB Labeled NA3 Glycan

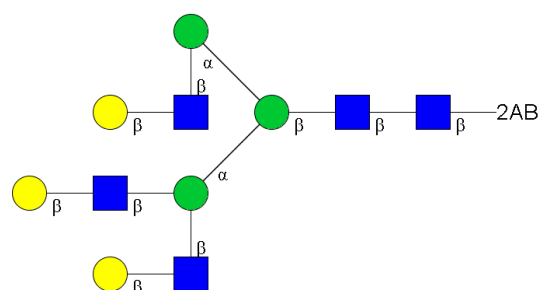
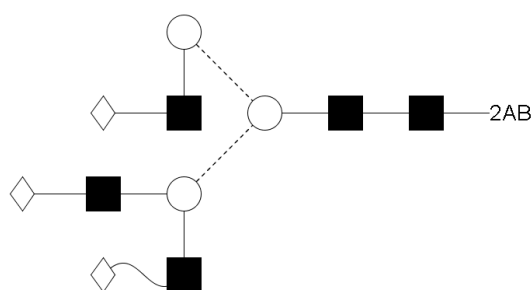
Cat. #: CAB-NA3-01  
Size: approx. 100 pmol

Batch: A56R-01  
Expiry Date: 06 Jul 2022

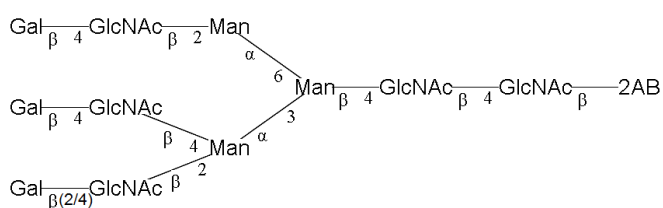
#### Alternative Names

A3G3

#### Structure



#### Oxford Notation

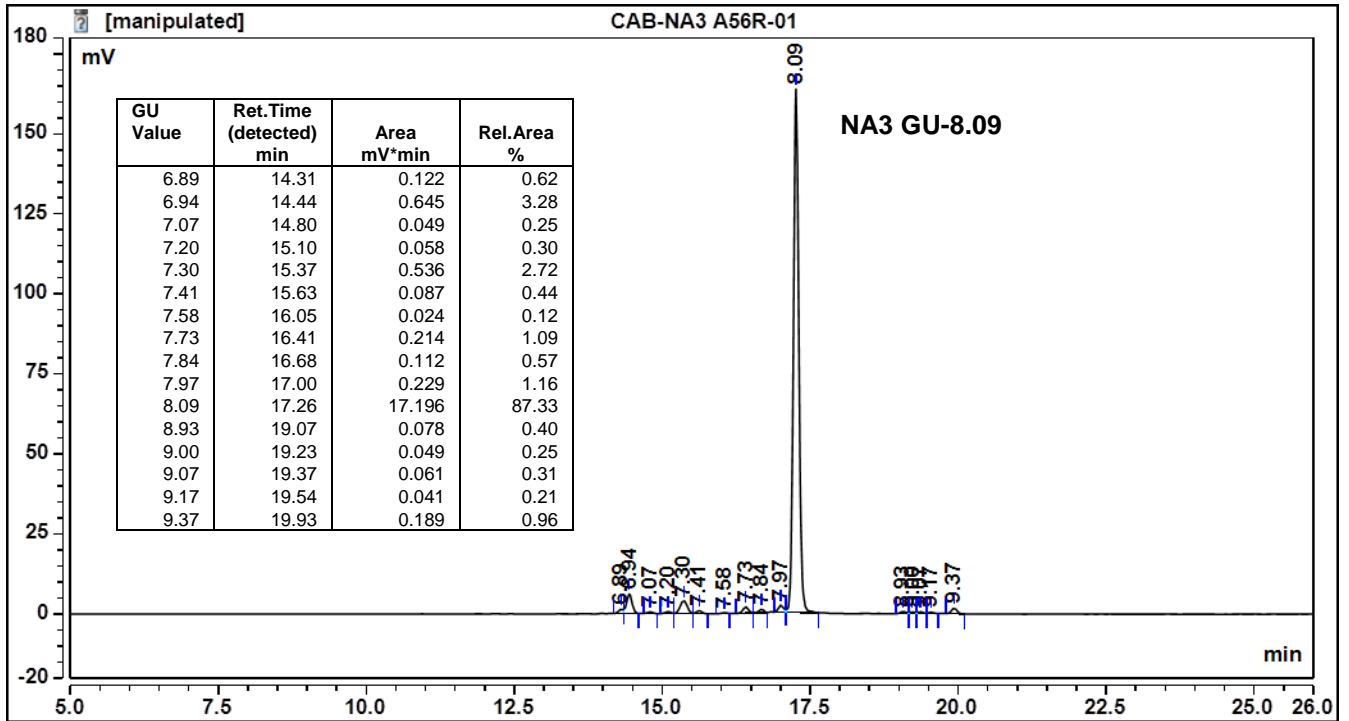


#### CFG Notation

#### Text Notation

**Purity:** 87.3% 2AB labeled NA3 glycan, as assessed by HPLC - see Fig 1.

**Amount:** Sample vial determined to contain 120 pmols NA3 glycan – Test performed 06 Jul 2017.



**Figure 1:** HILIC HPLC profile of 2AB labelled NA3 glycan (see method conditions below)

(Cat. #: CAB-NA3-01, Batch A56R-01).

\*NA3 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).

**2-AB NA3 peak seen above, eluted at 17.26 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

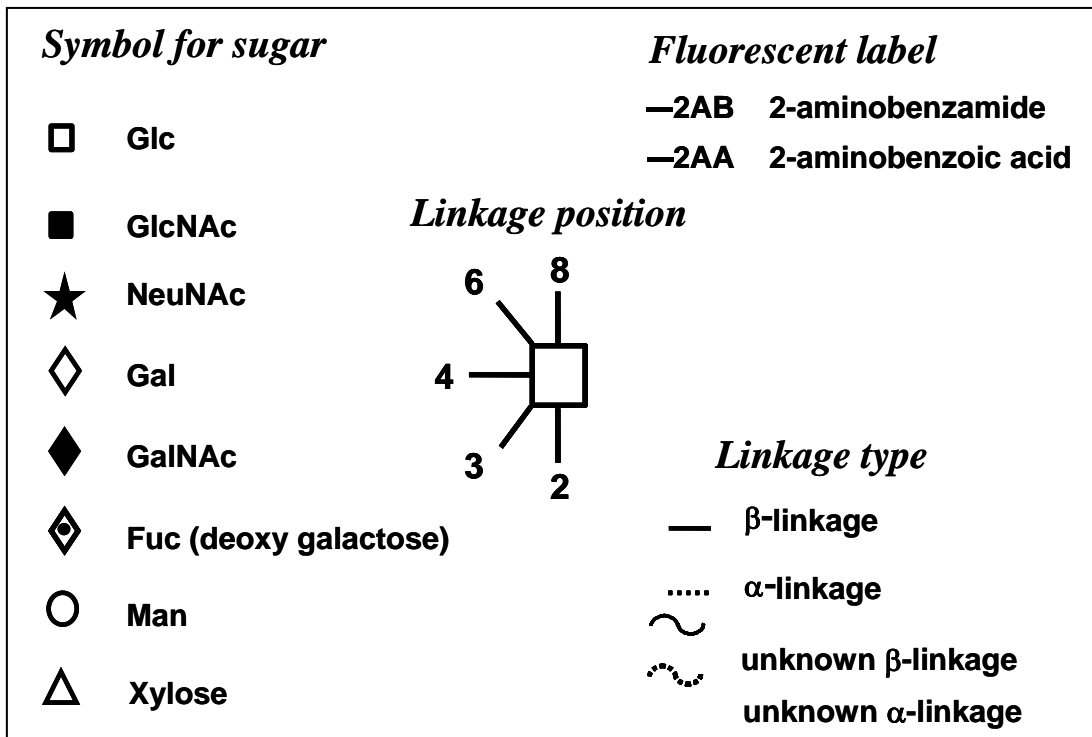
Gradient:

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: Dionex FLD-3000

Excitation wavelength: 250 nm

Emission wavelength: 428 nm



**Figure 2:** GlycoBase glycan structure key.