

## Certificate of Analysis

### LudgerPure™ 2AB Labeled FA2G1 Glycan

Cat. #: CAB-FA2G1-01

Batch: B334-01

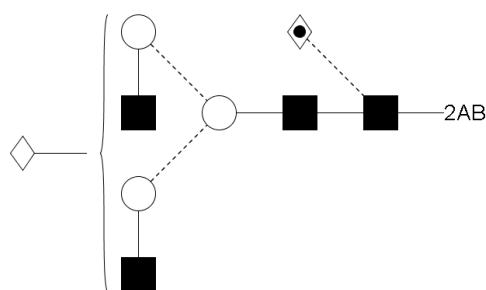
Size: approx. 100 pmol

Expiry Date: 06 Jul 2022

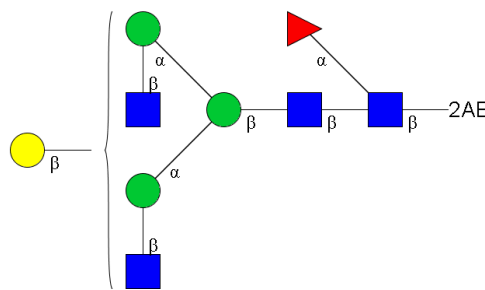
#### Alternative Names

G1F

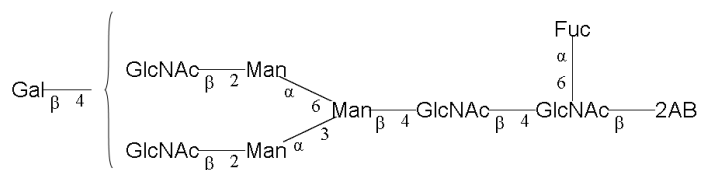
#### Structure



Oxford Notation



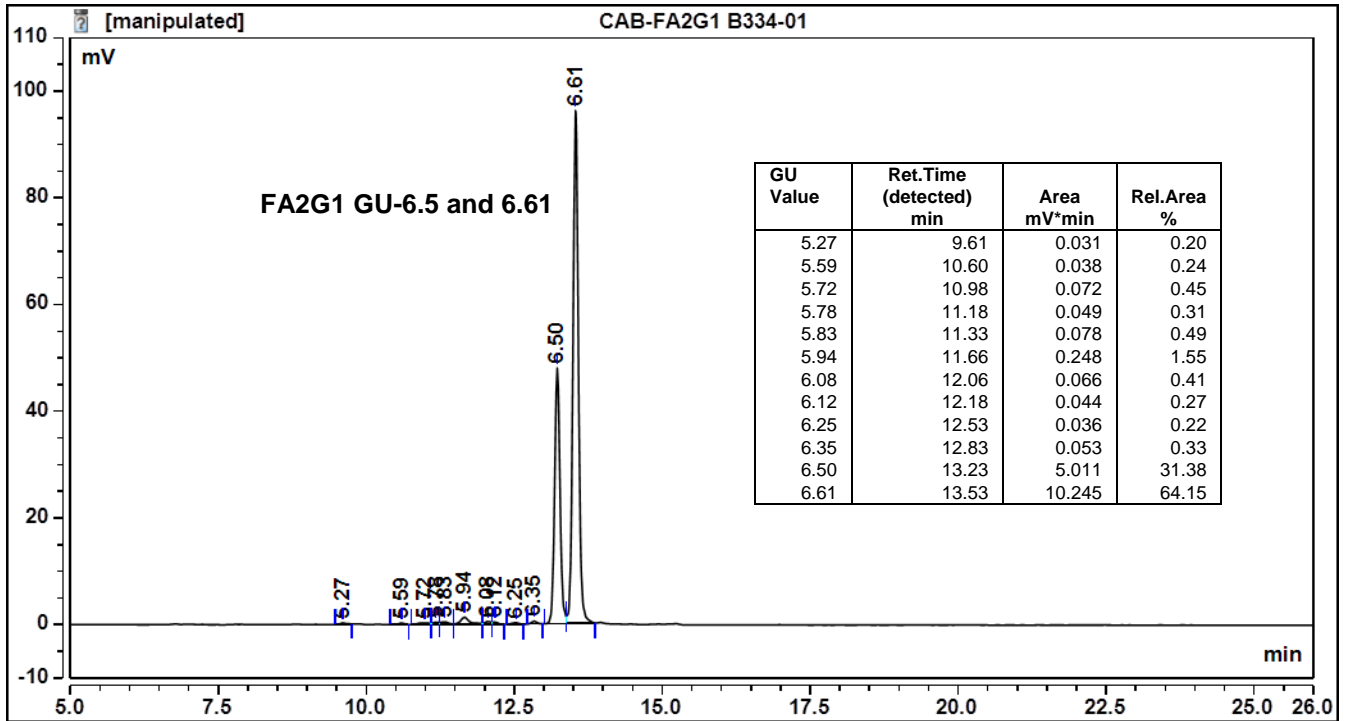
CFG Notation



Text Notation

**Purity:** 95.5% 2AB labeled FA2G1 glycan, as assessed by HPLC - see Fig 1.

**Amount:** Sample vial determined to contain 106 pmols FA2G1 glycan – Test performed 06 Jul 2017.



**Figure 1:** HILIC HPLC profile of 2AB labelled FA2G1 glycan (see method conditions below)

(Cat. #: CAB-FA2G1-01, Batch B334-01).

\*FA2G1 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 FA2G1 peak seen above, eluted at 13.23 and 13.53 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

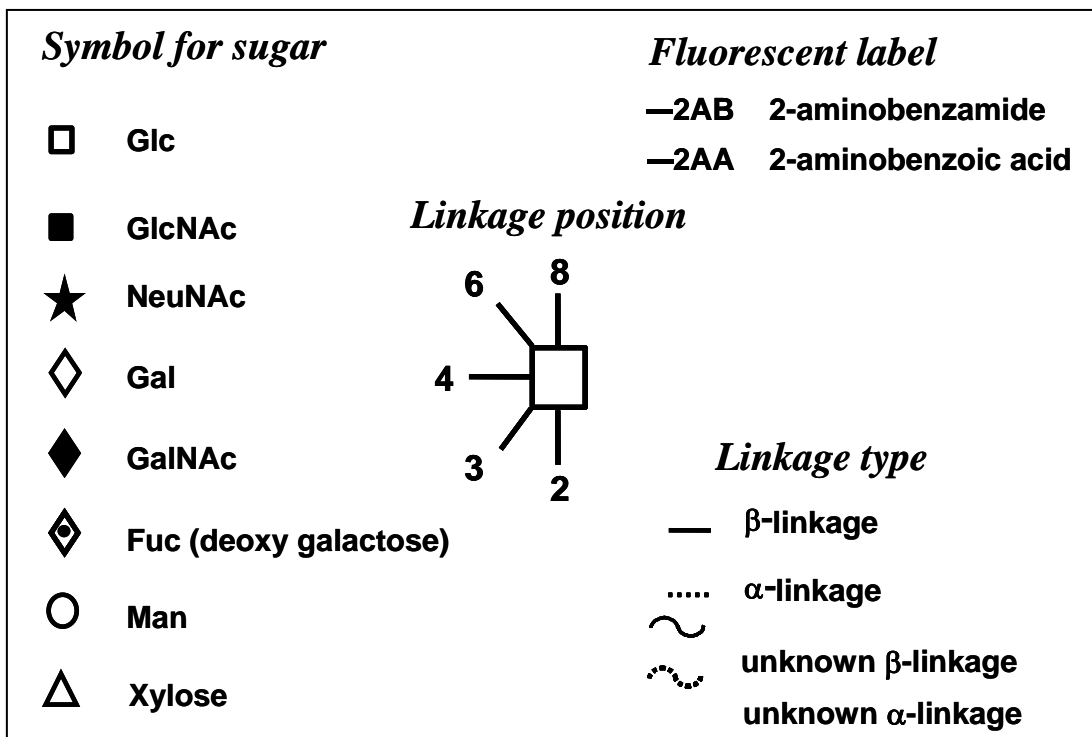
Gradient:

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.