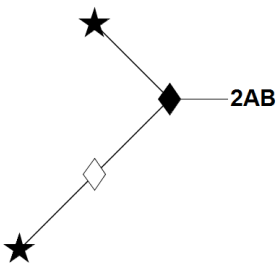
Certificate of Analysis

LudgerPure™ 2AB Labeled C1S(3,6)2 Glycan

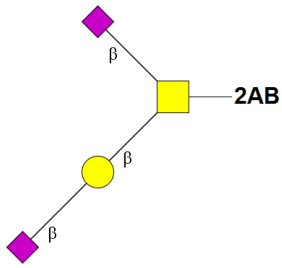
Cat. #: CAB- C1S(3,6)2-01 Batch: B87A-03

Size: approx. 100 pmol Expiry Date: 15 SEP 2028

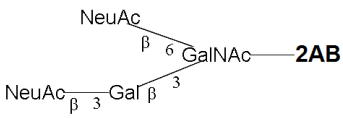
Glycan Structure



Oxford Notation



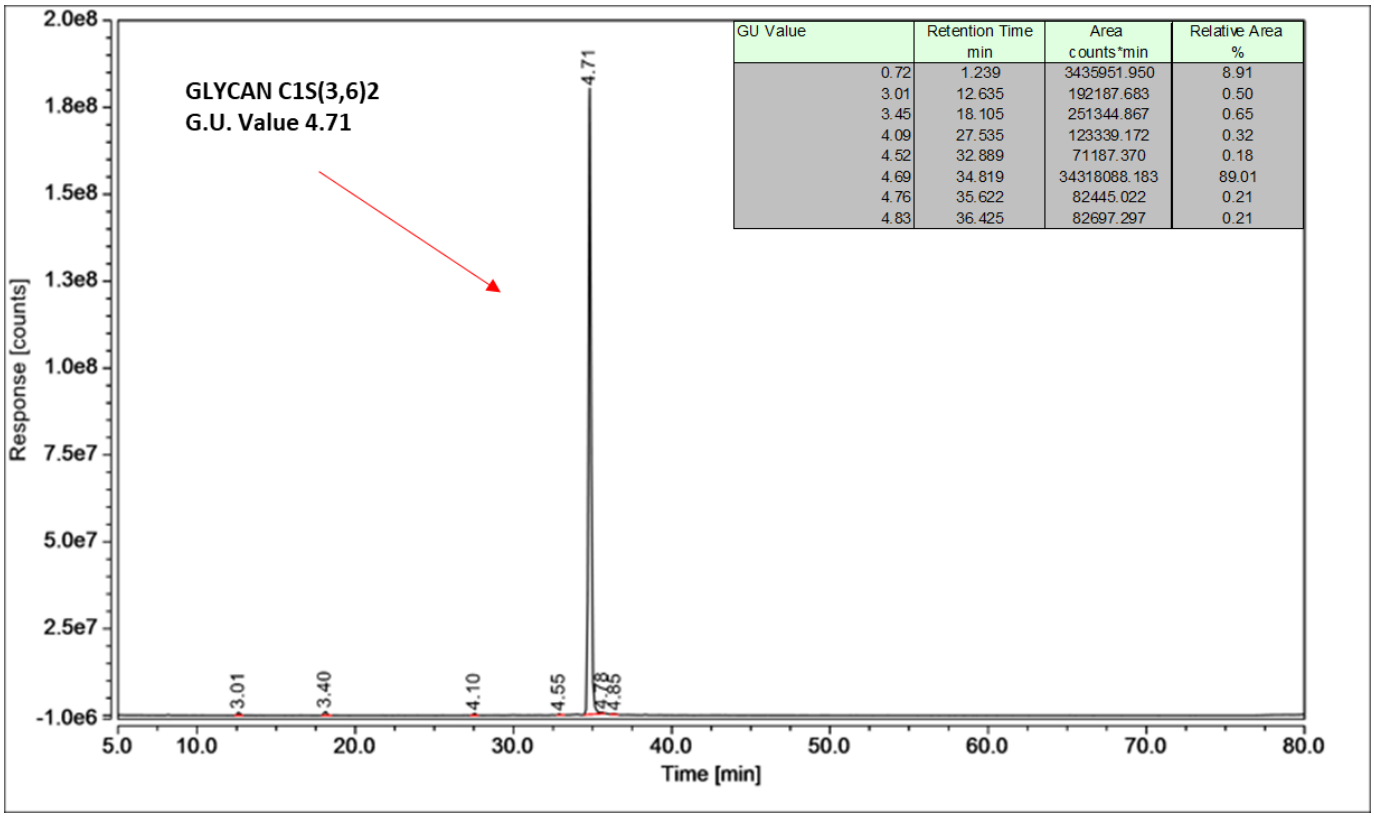
CFG Notation



Text Notation

Purity: 89.01% 2AB labeled C1S(3,6)2 glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 105.0 pmols C1S(3,6)2 glycan – Test performed 28 Aug 2018.



GU Value	Retention Time min	Area counts*min	Relative Area %
0.72	1.239	3435951.950	8.91
3.01	12.635	192187.683	0.50
3.45	18.105	251344.867	0.65
4.09	27.535	123339.172	0.32
4.52	32.889	71187.370	0.18
4.69	34.819	34318088.183	89.01
4.76	35.622	82445.022	0.21
4.83	36.425	82697.297	0.21

Figure 1: *HILIC HPLC profile of 2AB labelled C1S(3,6)2 glycan (see method conditions below) (Cat. #: CAB-C1S(3,6)2-01, Batch B87A-03)-Data from September 2023*

**C1S(3,6)2 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 C1S(3,6)2 peak seen above, eluted at 6.74 minutes, under the following conditions:

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

Flow: 0.400mL/min.

Temperature: 60 °C

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

Gradient:

Time (min)	%B
0.0	85.0
10.0	85.0
75.0	65.0
80.0	10.0
82.0	85.0
95.0	85.0

Detector: Fluorescence

Excitation wavelength: 250 nm

Emission wavelength: 428 nm

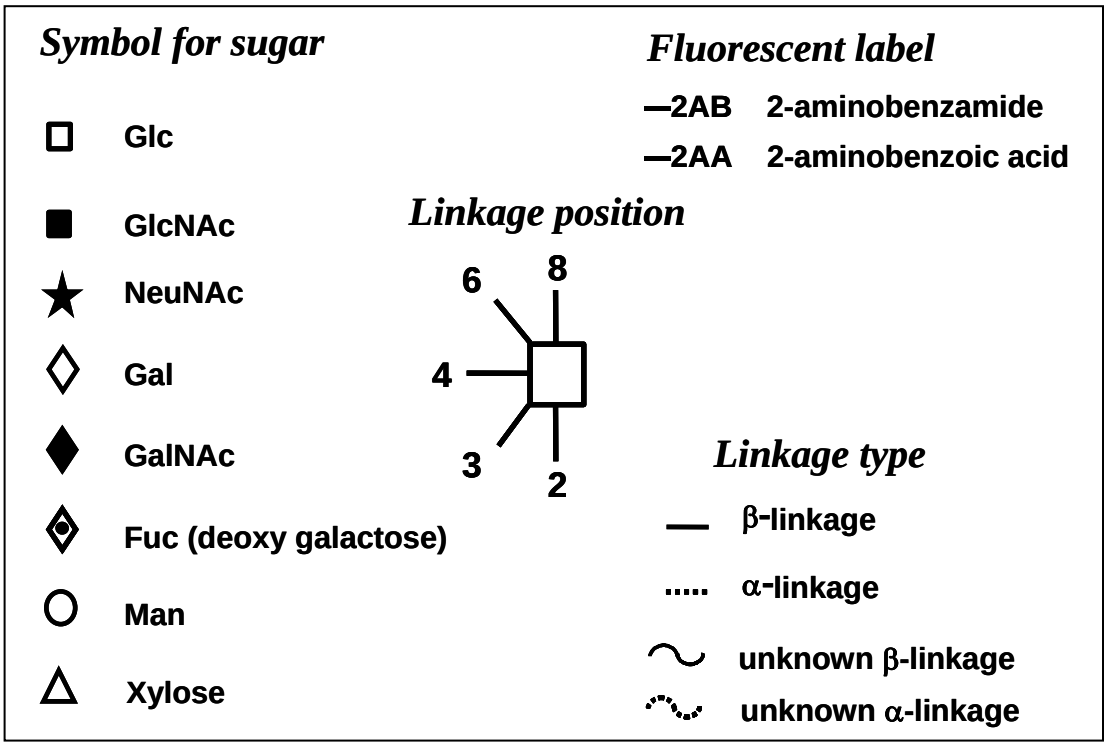


Figure 2: *GlycoBase glycan structure key.*