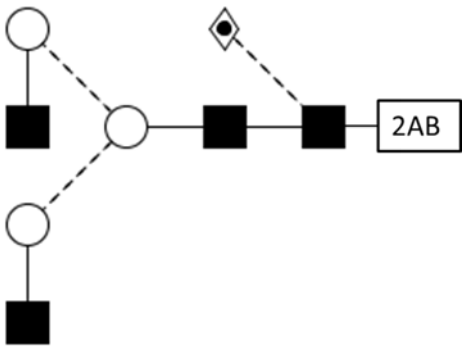
Certificate of Analysis

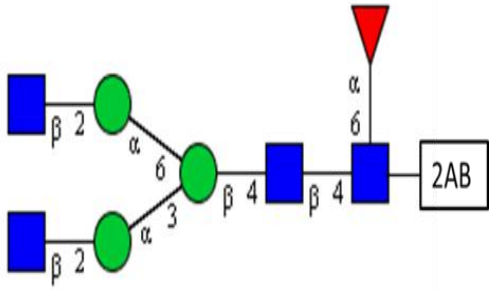
LudgerPure™ 2AB Labeled NGA2F Glycan

Cat. #: CAB-NGA2F-01 Batch: B47G-01 Size: approx. 100 pmol

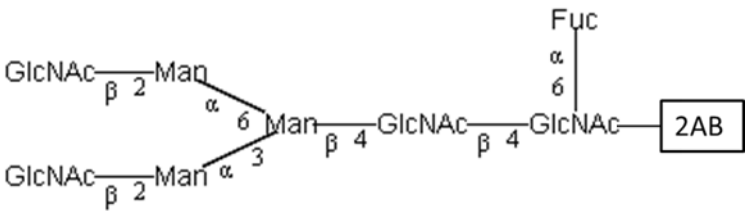
Structure



Oxford Notation



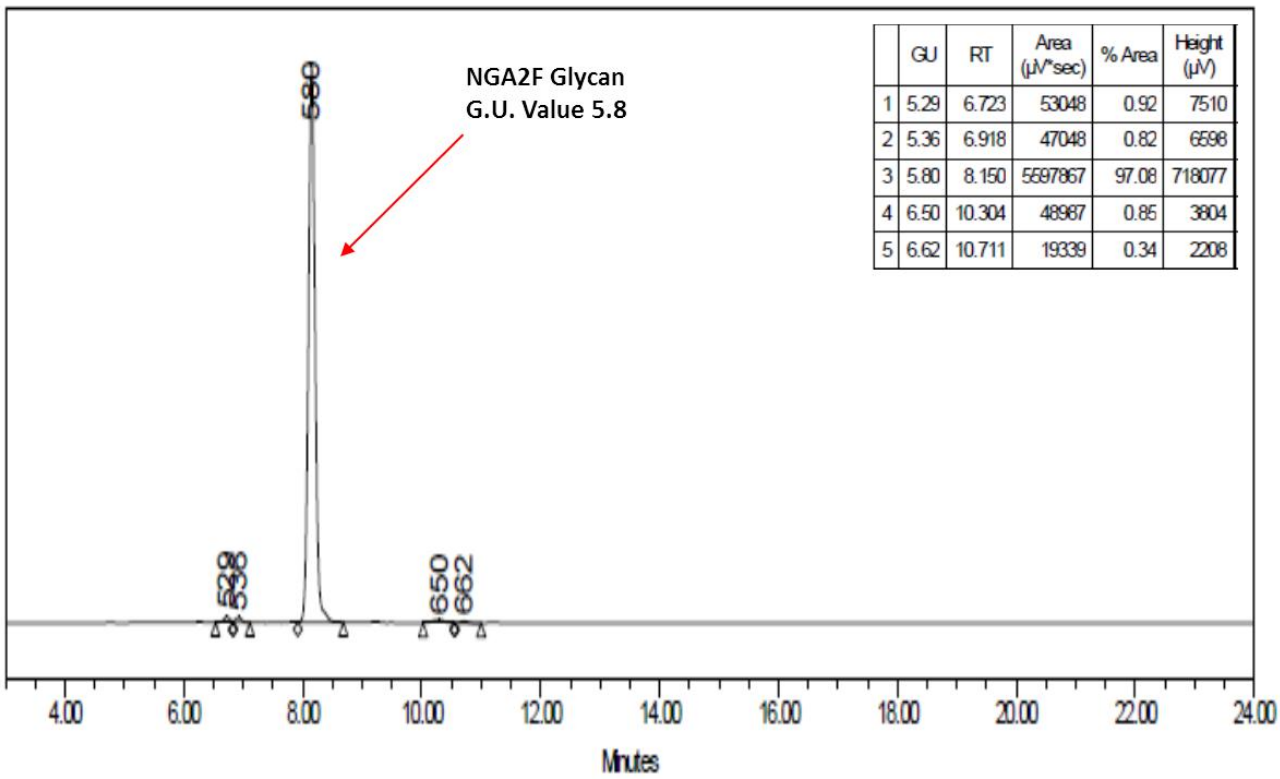
CFG Notation



Text Notation

Purity: 97.08% 2AB labeled NGA2F glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 69.8 pmols NAG2F glycan – Test performed 17th July 2014.



	GU	RT	Area (μV*sec)	% Area	Height (μV)
1	5.29	6.723	53048	0.92	7510
2	5.36	6.918	47048	0.82	6598
3	5.80	8.150	5597867	97.08	718077
4	6.50	10.304	48987	0.85	3804
5	6.62	10.711	19339	0.34	2208

Figure 1: HILIC HPLC profile of 2AB labelled NGA2Fglycan (see method conditions below)
(Cat. #: CAB-NGA2F-01, Batch B47G-01).
**NGA2F 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 NGA2F peak seen above, eluted at 8.15 minutes, under the following conditions:

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

Flow: 0.4mL/min.

Temperature: 40 °C

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

Gradient:

Time (min)	%B
0.0	72.0
27.0	62.0
30.0	100.0
31.0	100.0
32.0	72.0
35.0	72.0

Detector: Waters FLD;Aquity Excitation wavelength: 250 nm Emission wavelength: 428 nm

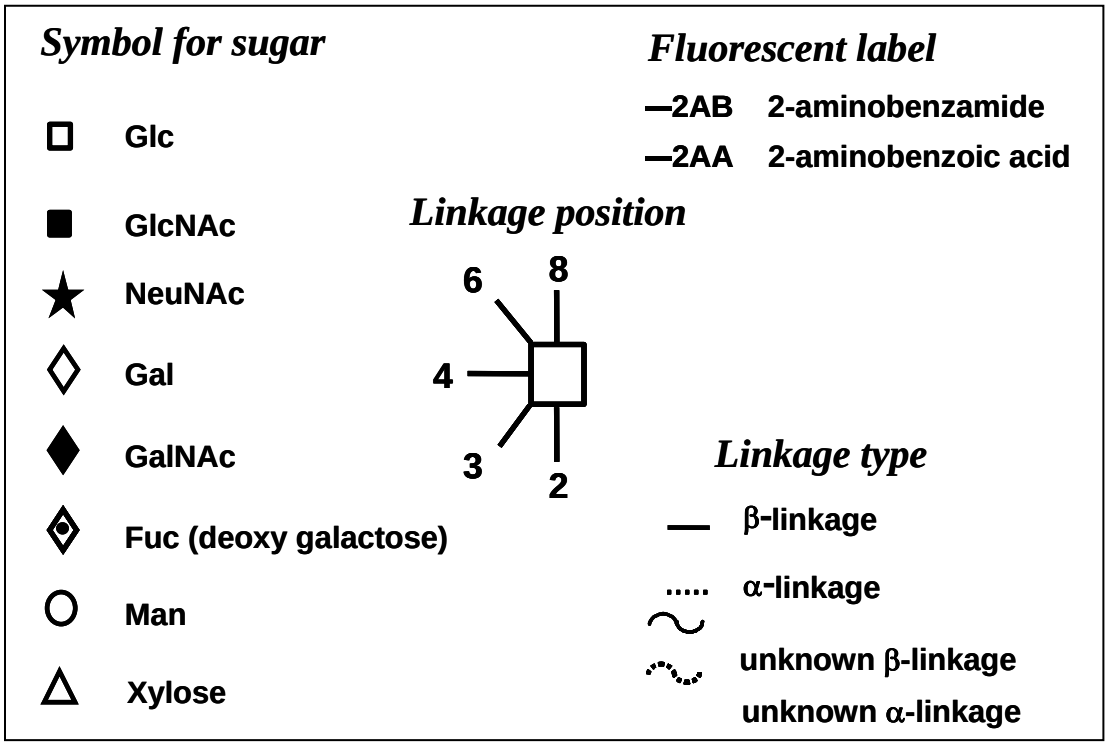


Figure 2: GlycoBase glycan structure key.