Certificate of Analysis

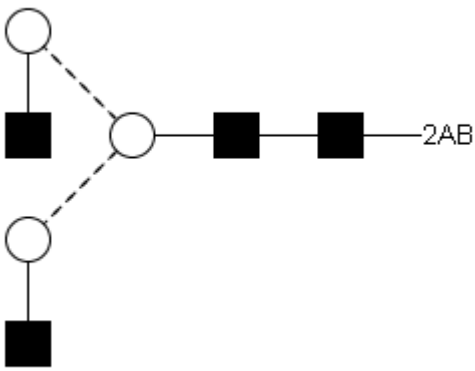
LudgerPure™ 2AB Labeled NGA2 Glycan

Cat. #: CAB-NGA2-01	Batch: B65P-01
Size: approx. 100 pmol	Expiry: 27th May 2021

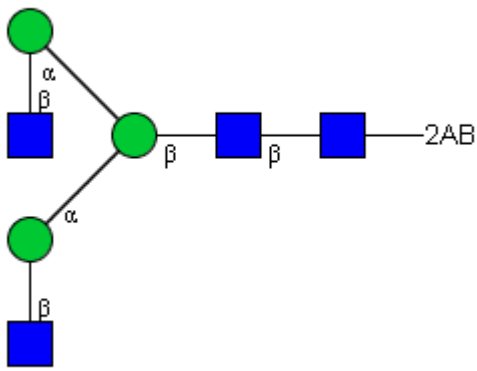
Alternative Names

A2, G0

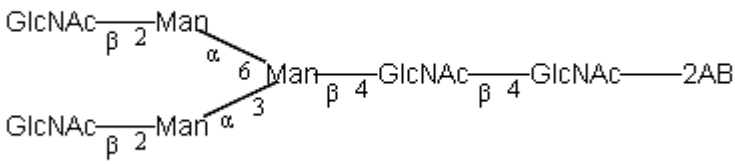
Structure



Oxford Notation



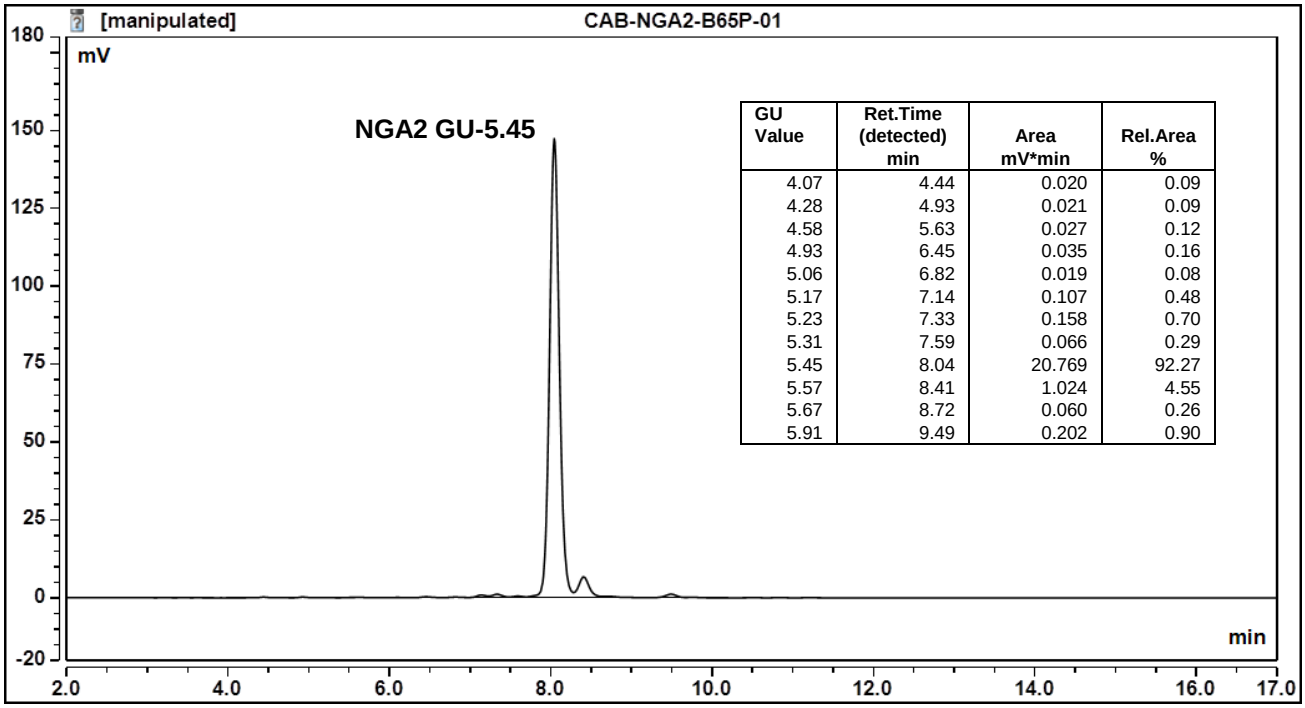
CFG Notation



Text Notation

Purity: 92.3% 2AB labeled NGA2 glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 92.6 pmols NGA2 glycan – Test performed 27 May 2016.



GU Value	Ret.Time (detected) min	Area mV*min	Rel.Area %
4.07	4.44	0.020	0.09
4.28	4.93	0.021	0.09
4.58	5.63	0.027	0.12
4.93	6.45	0.035	0.16
5.06	6.82	0.019	0.08
5.17	7.14	0.107	0.48
5.23	7.33	0.158	0.70
5.31	7.59	0.066	0.29
5.45	8.04	20.769	92.27
5.57	8.41	1.024	4.55
5.67	8.72	0.060	0.26
5.91	9.49	0.202	0.90

Figure 1: HILIC HPLC profile of 2AA/AB labelled NGA2 glycan (see method conditions below) (Cat. #: CAB-NGA2-01, Batch B65P-01).

**NGA2 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 NGA2 peak seen above, eluted at 8.04 minutes, under the following conditions:

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

Flow: 0.4mL/min.

Temperature: 35 °C

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

Gradient:

Time (min)	%B
0	72
27	62
30	0
31	0
32	72
35	72

Detector: Dionex FLD-3000 Excitation wavelength: 250 nm Emission wavelength: 428 nm

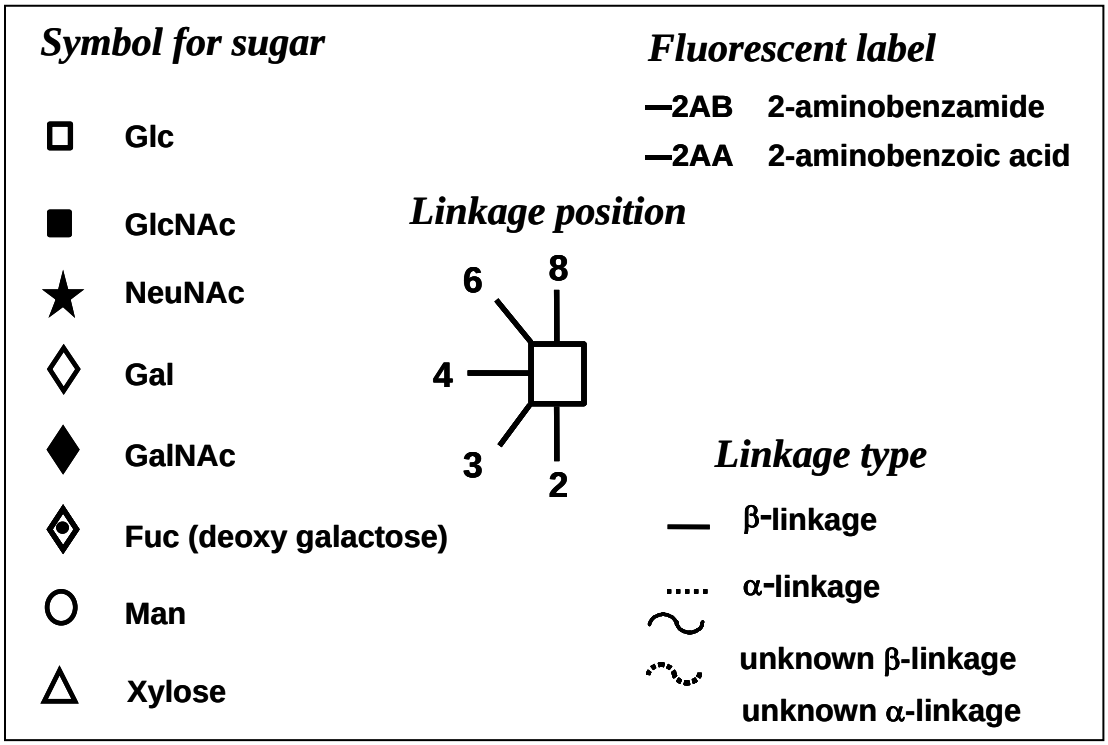


Figure 2: GlycoBase glycan structure key.