

Certificate of Analysis

LudgerPure™ 2AA Labeled NA4 Glycan

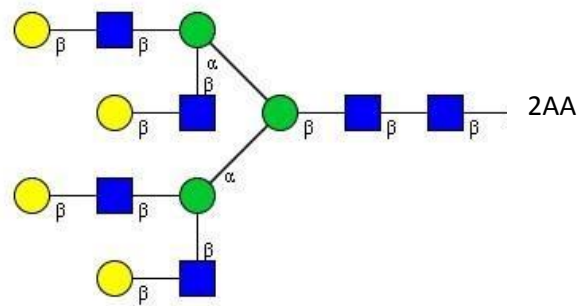
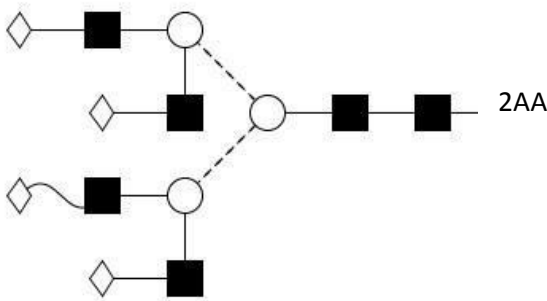
Cat. #: CAA-NA4-01
 Size: approx. 100 pmol

Batch: A53V-01
 Expiry: Jan 2021

Alternative names

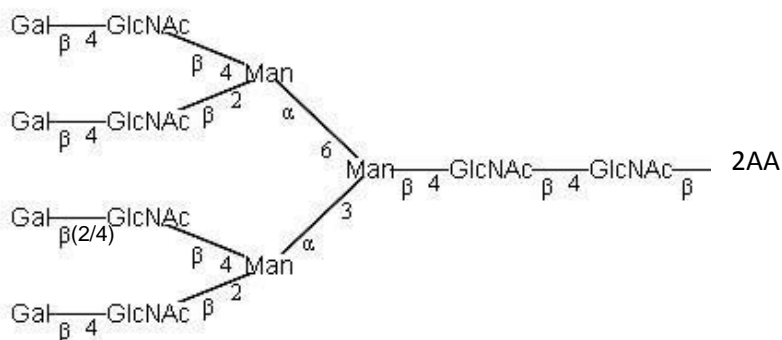
A4G4

Structure



Oxford Notation

CFG Notation



Text Notation

Purity: 86.05% 2AA labeled NA4 glycan, as assessed by HPLC - see Fig 1.

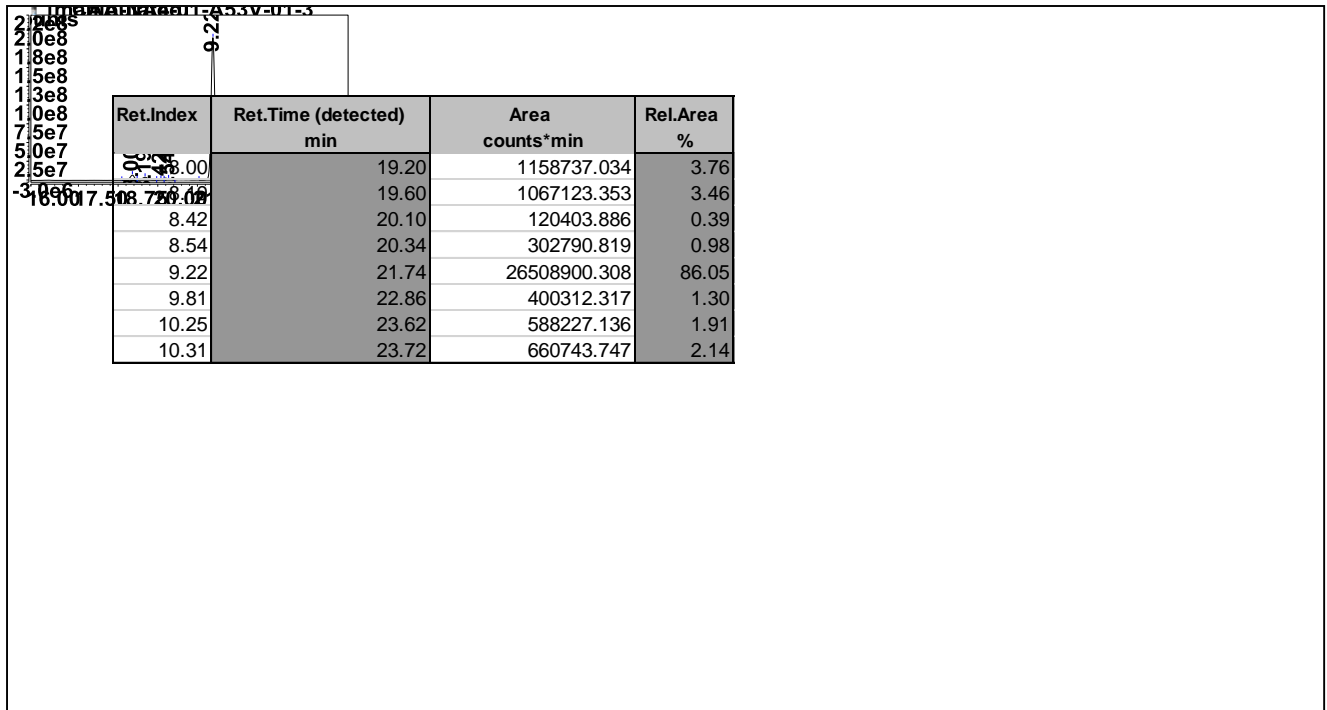


Figure 1: HILIC HPLC profile of 2AA labeled NA4 (see method conditions below)
(Cat.#: CAA-NA4-01, Batch A53V-01).

**NA4 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-AA NA4 peak seen above, eluted at 21.74 minutes, under the following conditions:

HPLC Running Conditions:

Column: Waters BEH Glycan 1.7 μ m 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

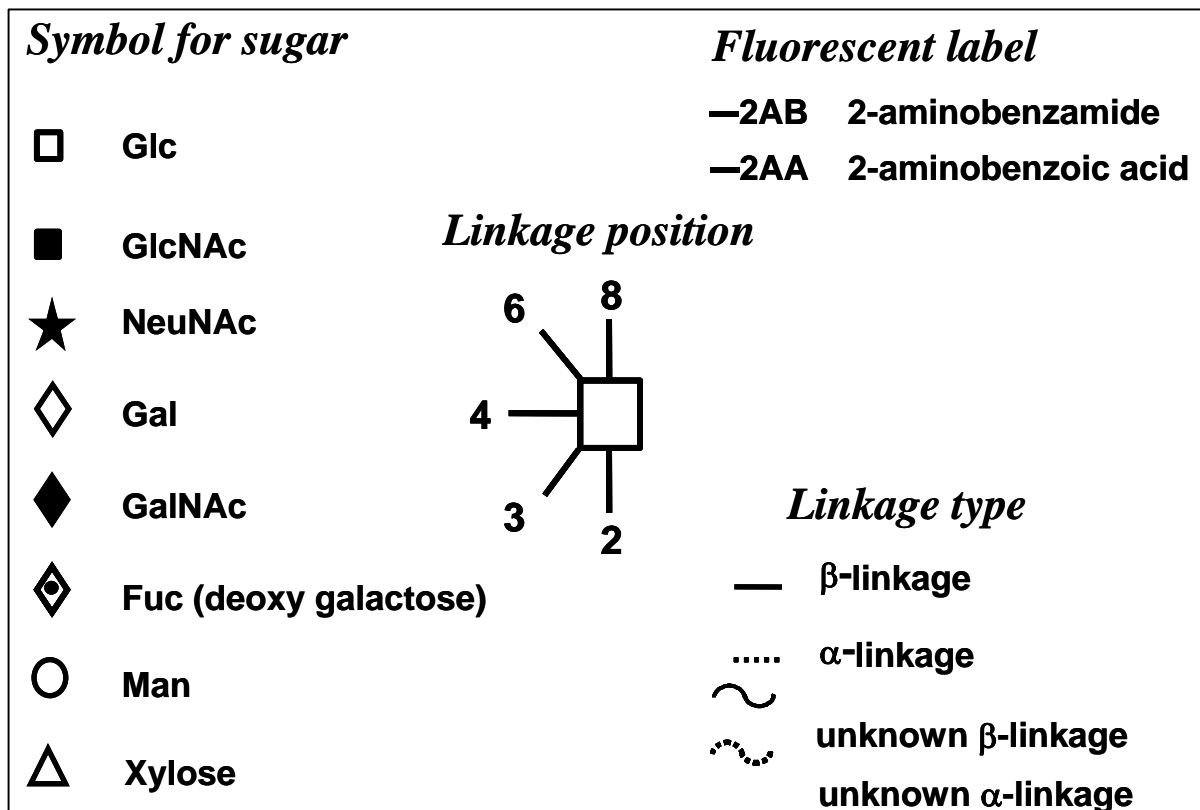


Figure 2 : GlycoBase glycan structure key.