

Certificate of Analysis

LudgerPure™ APTS Labeled MAN5 Glycan

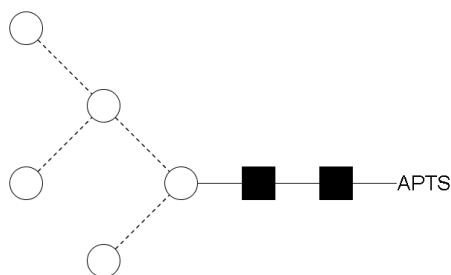
Cat. #: CAPTS -MAN5-01
 Size: ~ 20 pmol

Batch: B288-01
 Expiry: 12 Feb 2023

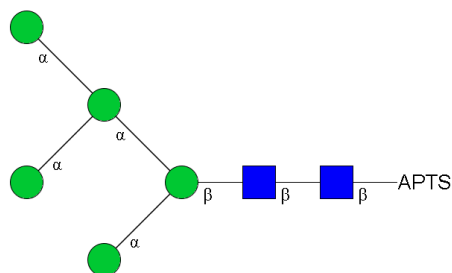
Alternative Names

M5

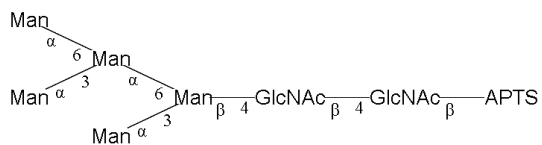
Structure



Oxford Notation



CFG Notation



Text Notation

Purity: > 80 % APTS labelled MAN 5 glycan, as assessed by HPLC - see Figure 1.

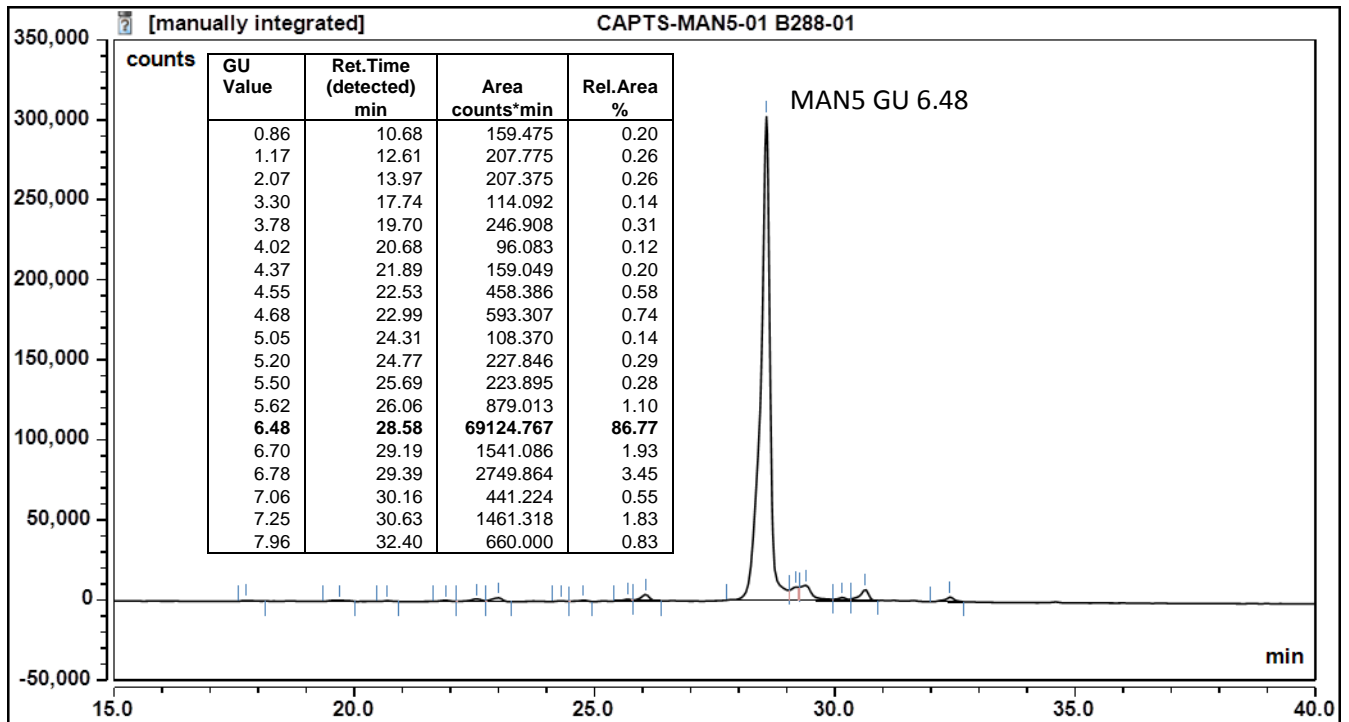


Figure 1: HILIC HPLC profile of APTS Labeled Man 5 Glycan (Cat. #: CAPTS-MAN5-01, Batch # B288-01).

MAN 5 glycan structure identified by HPLC (GU value obtained from running external GHP labelled with APTS).

The APTS labelled Man 5 glycan peak (figure 1) eluted at 28.58 minutes under the following HPLC conditions:

Column: Waters BEH uHPLC column, 1.7 μ m

Flow: 0.5 ml/min

Temperature: 60 °C

Solvent A: 50 mM Ammonium formate pH 4.4

Solvent B: 100 % Acetonitrile

Gradient:

- 0 min - 78 % B
- 38.5 min - 55.9 % B
- 40.5 min - 0 % B
- 42.5 min - 0 % B
- 44.5 min - 78 % B
- 55 min - 78 % B

Detector: Fluorescence

Excitation wavelength: 448 nm

Emission wavelength: 510 nm

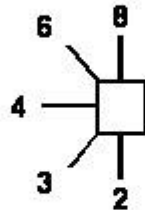
Symbol for sugar

- Glc
- GlcNAc
- ★ NeuNAc
- ◇ Gal
- ◆ GalNAc
- ◊ Fuc (deoxy galactose)
- Man
- △ Xylose

Fluorescent label

— APTS 8-Aminopyrene-1,3,6-trisulfonic acid

Linkage position



Linkage type

- β-linkage
- α-linkage
- ~ unknown β-linkage
- ~ unknown α-linkage

Figure 2: GlycoBase glycan structure key.