

Ludger

Certificate of Analysis

LudgerPure™ 2AB Labeled MAN-5 Glycan

Cat. #: CAB-MAN5-01

Lot #: A817-02

Size : approx. 100 pmol

Purity: > 90% pure as assessed by HPLC (see Fig 1)

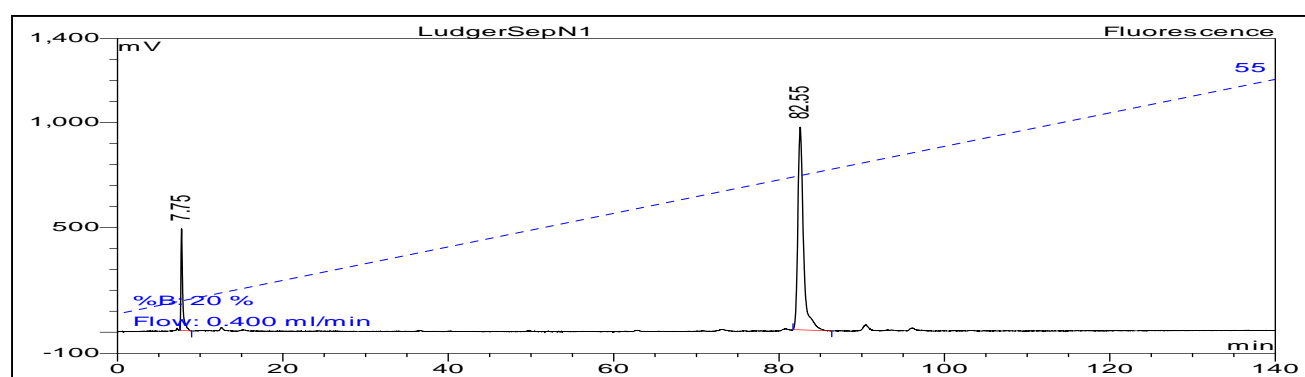


Figure 1 : LudgerSepN1 HPLC profile of 2AB labeled MAN-5 glycan (Cat. #: CAB-MAN5-01, Lot No. A817-02). Free dye peak at 7.75 minute; CAB-MAN-5 peak seen at 82.55, under the following conditions.

HPLC Running Conditions

Column: LudgerSep N1 Amide (Cat. #: LS-N1-4.6x250) Flow: 0.4 – 1.0 ml/min Temperature: 40 °C

Solvent A: 100 % acetonitrile

Solvent B: 50 mM ammonium formate pH 4.4

Gradient:

- 0-152 min – 20-58 % B
- 152-155 min - 58-100 % B
- 155-157 min - 100 % B
- 157-162 min - 100% B (flow 1 ml/min)
- 162-163 min – 100-20 % B
- 163-177 min – 20 % B
- 177-178 min – flow 1 ml/min–0.4 ml/min
- 178-180 min – 20 % B (flow 0.4 ml/min)

Detector: Jasco FP920 Excitation wavelength: 360 nm

Emission wavelength: 425 nm