



Certificate of Analysis

2AB Labelled IgG N-Glycan Library

Cat. #: CAB-IGG-01

Lot #: A9B3-01

Size: 200

pmol

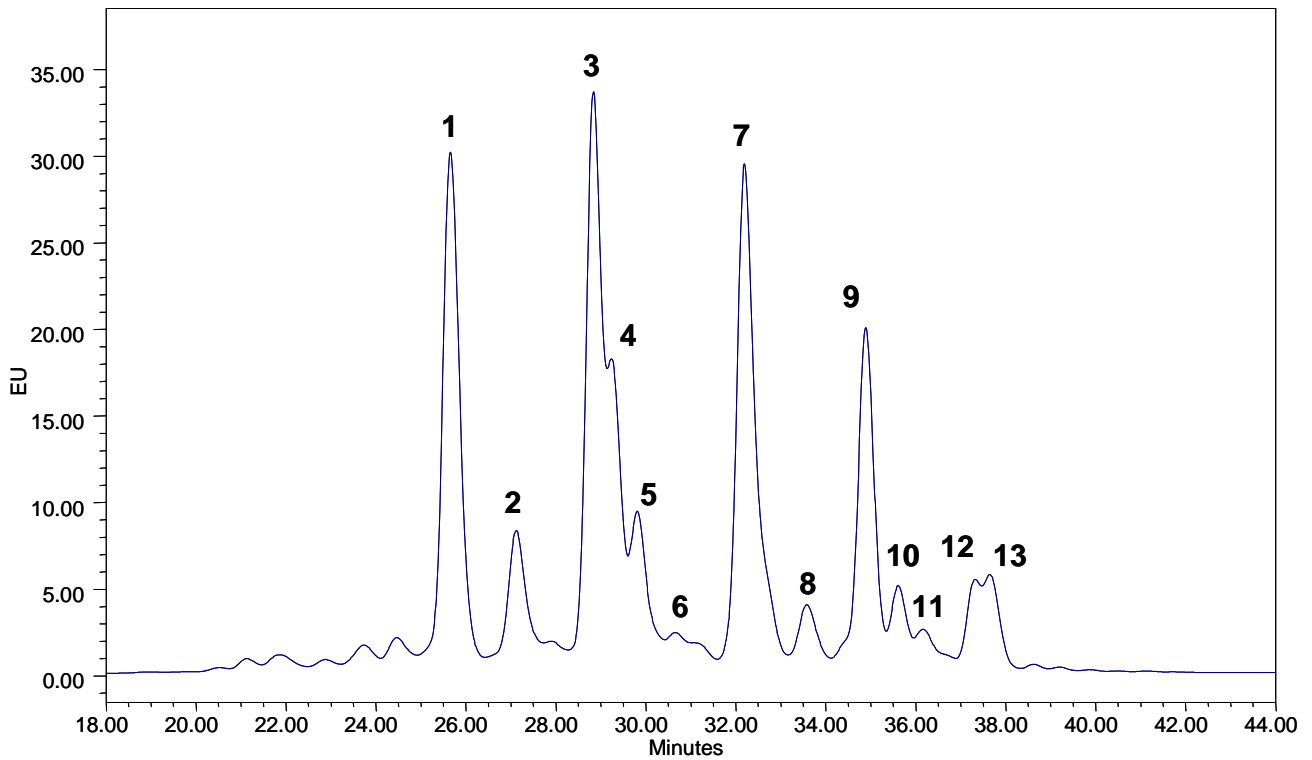


Figure 1: LudgerSep-N2 HPLC Profile of 2AB Labelled IgG N-Glycans, released by N-Mode hydrazinolysis (Cat. No. CAB-IGG-01, Lot No. A9B3-01).





















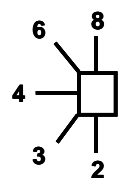
Peak ID	Name	Structure	STD GU	IgG GU
1	F(6)A2		5.77	5.87
2	F(6)A2B		6.15	6.22
2	A2[6]G(4)1		6.14	
2	A2[6]BG(4)1		6.14	
3	A2[3]G(4)1		6.43	6.65
3	A2[3]BG(4)1		6.56	
3	F(6)A2[6]G(4)1		6.59	
4	F(6)A2[3]G(4)1		6.7	6.75
5	F(6)A2[6]BG(4)1		6.85	6.9
5	F(6)A2[3]BG(4)1			
6	A2G(4)2		7.08	7.12
7	F(6)A2G(4)2		7.53	7.54
7	F(6)A2BG(4)2		7.67	
8	A2G(4)2S1		7.98	7.97
9	F(6)A2G(4)1S1		8.42	8.37
10	F(6)A2BG(4)1S1		8.67	8.6
11	A2G(4)2S2		8.91	8.78
11	A2BG(4)2S2		9.1	
12	F(6)A2G(4)2S2		9.33	9.11
13	F(6)A2BG(4)2S2		9.47	9.19

Table 1: Names, structures and GU values of each peak from LudgerSep-N2 HPLC (Cat. No. CAB-IGG-01, Lot No. A9B3-01).

Nomenclature

<i>Symbol for sugar</i>	<i>Linkage position</i>
□ Glc	
■ GlcNAc	
★ NeuNAc	
◇ Gal	
◆ GalNAc	
◈ Fuc (deoxy galactose)	
○ Man	
	<i>Linkage type</i>
	— β-linkage
 α-linkage

Structure Abbreviations

All N-glycans have two core GlcNAcs; F at the start of the abbreviation indicates a core fucose, (6) after the F indicates that the fucose is α 1-6 linked to the inner GlcNAc; M_x, number (x) of mannose on core GlcNAcs; A_x, number of antenna (GlcNAc) on trimannosyl core; A₂, biantennary with both GlcNAcs as β 1-2 linked; A₃, triantennary with a GlcNAc linked β 1-2 to both mannose and the third GlcNAc linked β 1-4 to the α 1-3 linked mannose; A₃', triantennary with a GlcNAc linked β 1-2 to both mannose and the third GlcNAc linked β 1-6 to the α 1-6 linked mannose; A₄, GlcNAcs linked as A₃ with additional GlcNAc β 1-6 linked to α 1-6 mannose; B, bisecting GlcNAc linked β 1-4 to β 1-3 mannose; G_x, number (x) of linked galactose on antenna, (4) or (3) after the G indicates that the Gal is β 1-4 or β 1-3 linked; [3]G1 and [6]G1 indicates that the galactose is on the antenna of the α 1-3 or α 1-6 mannose; S_x, number (x) of sialic acids linked to galactose; the numbers 3 or 6 in parentheses after S indicate whether the sialic acid is in an α 2-3 or α 2-6 linkage.