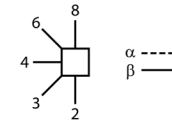


# Fetuin O-glycan Library












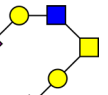
Symbol for sugar

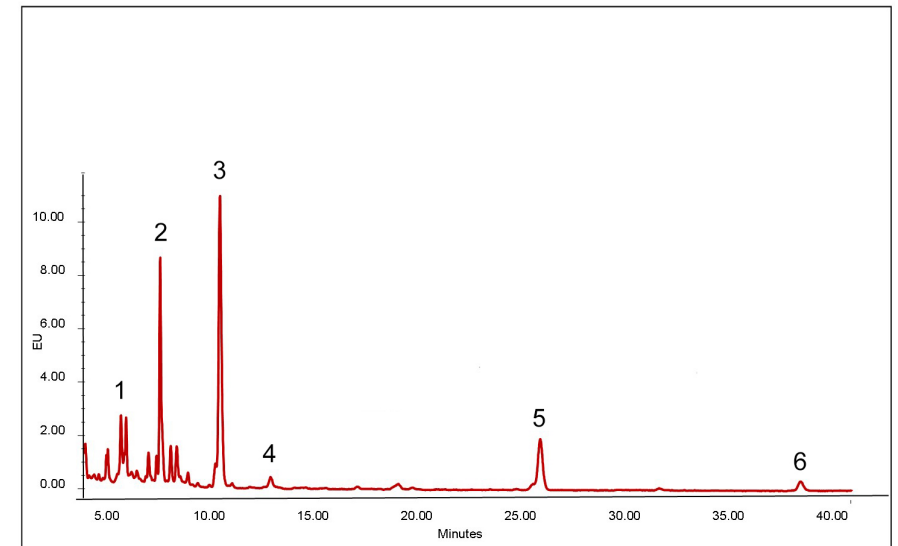
- Glc
- GlcNAc
- NeuNAc
- Gal
- GalNAc
- Fuc (deoxy galactose)
- Man

Linkage position and type



- N-acetylglucosamine
- N-acetylgalactosamine
- Mannose
- Galactose
- N-acetylneuraminic acid
- Fucose

Peak Number	Oxford Notation Name	Sialylation	Oxford Notation	Consortium for Functional Glycomics (CFG)	% Relative Peak Area	GU Value
1	Gal $\beta$ 1-3GalNAc	Core 1			7.62	1.75
2	'peeled glycan'*, Neu5Ac $\alpha$ 2-3Gal	mono-sialylated			24.81	2.30
3	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-3GalNAc	mono-sialylated			48.99	2.94
4	Neu5Ac $\alpha$ 2-6(Gal $\beta$ 1-3)GalNAc	mono-sialylated			1.80	3.33
5	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-3(Neu5Ac $\alpha$ 2-6)GalNAc	di-sialylated			14.04	4.67
6	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-3(Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4GlcNAc $\beta$ 1-6)GalNAc	di-sialylated			2.74	5.83



**Figure 1:** HILIC HPLC Profile of 2AB Labelled Fetuin O-Glycans (Cat. No. CLIBO-FETUIN-01)

\* Loss of terminal GalNAc during hydrazinolysis