Glycan Profile (UPLC-FLD)

21_0177_PM_1528_RF_2-B,1_1_3080.d

Glycan Parameters

fucosylation / bisecting GlcNAc / sialylation / hybrid / high mannose / truncated											
F	oF	B	S0	S>0	S1	S2	S3	S4	M	HB	trunc
95.5	6.4	37.8	53.0	47.0	29.3	17.3	0.4	0.0	2.8	4.7	0.0

galactosylation / terminal galactosylation											
G0	G>0	G1	G2	G3	G4	tG0	tG>0	tG1	tG2	tG3	tG4
17.1	82.9	34.3	45.6	3.0	0.0	42.0	58.0	46.5	11.3	0.2	0.0

GalNAc/terminal GalNAc											
GalNAc0	GalNAc>0	GalNAc1	GalNAc2	GalNAc3	GalNAc4	tGalNAc0	tGalNAc>0	tGalNAc1	tGalNAc2	tGalNAc3	tGalNAc4
96.8	3.2	3.2	0.0	0.0	0.0	97.2	2.8	2.8	0.0	0.0	0.0

antennary / phosphorylation / sulfation											
A1	A2	A3	A4	phos0	phos>0	phos1	phos2	sulf0	sulf>0	sulf1	sulf2
2.7	86.5	3.2	0.2	100.0	0.0	0.0	0.0	99.5	0.5	0.5	0.0

NeuGc / alpha Gal (Galili epitope)											
NeuGc0	NeuGc>0	NeuGc1	NeuGc2	NeuGc3	NeuGc4	Ga0	Ga>0	Ga1	Ga2	Ga3	Ga4
100.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0

LacNAc repeats / acetylation / blood group antigens								
LacNAc0	LacNAc>0	LacNAc1	LacNAc2	LacNAc3	Le$^{A/X}$	sLe$^{A/X}$	Le$^{B/Y}$	H-Type
100.0	0.0	0.0	0.0	0.0	0.9	4.5	0.0	0.0
Ac0	Ac>0	Ac1	Ac2	Ac3				
100.0	0.0	0.0	0.0	0.0				

% assigned glycans	98.6
% unassigned glycans	0.4
% impurities	1.0
total structure number	109

Additional result information

total peak area	32568
total compound number	109
tola isomere number	28
einzelne Strukturen	38

General Sample-information

Sample identification	21_0177 PM 1528
Additional sample information	Standard for RF
Organism / Cell line	H9D8
Sample amount/ concentration / volume	15µg
Sample buffer	PBS

Sample Preparation

Fluorescence Tag	RapiFluor™ (Waters Inc.)
Sample preparation protocol	210528_CSH_987

LC Settings

LC equipment	ACQUITY UPLC I-Class Series (SM-FTN, BSM, CH, FLR)
LC Column	Acquity UPLC Glycan BEH Amide (PN: 186004742, Waters, #01453525816628)
LC Eluents	100mM Ammoniumformiat-Puffer pH 4.5/ Acetonitril
LC method	glycans_rapifluor_classic_LC_01

MS Settings

MS equipment	Compact
MS method	glycans_rapifluor_classic_MS_02

GLYCOFILER

Certificate of Analysis

Quality Control Standard

External quality control standard

Glycan parameters	Std ID#	F	B	G1	G2	G3	G4	S1	S2	S3	S4	M
Current standard	21_0177	95.5	37.8	34.3	45.6	3.0	0.0	29.3	17.3	0.4	0.0	2.8
Previous standards	21_0153	96.0	35.1	33.7	45.4	3.3	0.0	28.8	17.3	0.4	0.0	2.8
	21_0134	95.4	37.3	34.3	45.4	3.9	0.0	28.7	18.3	0.6	0.0	2.4
	21_0111	96.7	37.2	33.6	47.2	3.2	0.0	28.6	18.7	0.6	0.0	2.8
	21_0102	95.2	35.3	33.6	44.0	3.9	0.0	30.2	15.3	0.6	0.0	3.3
	21_0056	95.2	36.9	34.4	46.3	3.1	0.0	28.6	19.0	0.6	0.0	2.8
	21_0040	94.9	35.0	33.8	45.2	3.9	0.0	30.4	15.7	0.7	0.0	3.5
Mean (previous stds)		95.6	36.1	33.9	45.6	3.6	0.0	29.2	17.4	0.6	0.0	2.9
absolute Δ (current std - mean std)		0.1	1.7	0.4	0.1	0.6	0.0	0.0	0.0	0.1	0.0	0.1
max absolute deviation of Δ (current std - mean std)		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
compliance status (absolute deviation)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓