

Type	ID	Glycan Structure	Abbreviation Name
Ganglioside	G1	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4Glc	Ac-GM3
	G2	Neu5Gca $\alpha$ 2-3Gal $\beta$ 1-4Glc	Gc-GM3
	G3	Kdna2-3Gal $\beta$ 1-4Glc	Kdn-GM3
	G4	Neu5Ac8Mea $\alpha$ 2-3Gal $\beta$ 1-4Glc	Ac8Me-GM3
	G5	Neu5Ac $\alpha$ 2-3(GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc	Ac-GM2
	G6	Neu5Gca $\alpha$ 2-3(GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc	Gc-GM2
	G7	Kdna2-3(GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc	Kdn-GM2
	G8	Neu5Ac $\alpha$ 2-3(Gal $\beta$ 1-3GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc	Ac-GM1
	G9	Neu5Gca $\alpha$ 2-3(Gal $\beta$ 1-3GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc	Gc-GM1
	G10	Kdna2-3(Gal $\beta$ 1-3GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc	Kdn-GM1
	G11	Neu5Ac $\alpha$ 2-8Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4Glc	Ac-Ac-GD3
	G12	Neu5Ac $\alpha$ 2-8Neu5Gca $\alpha$ 2-3Gal $\beta$ 1-4Glc	Ac-Gc-GD3
	G13	Neu5Ac $\alpha$ 2-8Kdna2-3Gal $\beta$ 1-4Glc	Ac-Kdn-GD3
	G14	Neu5Gca $\alpha$ 2-8Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4Glc	Gc-Ac-GD3
	G15	Neu5Gca $\alpha$ 2-8Neu5Gca $\alpha$ 2-3Gal $\beta$ 1-4Glc	Gc-Gc-GD3
	G16	Kdna2-8Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4Glc	Kdn-Ac-GD3
	G17	Kdna2-8Neu5Gca $\alpha$ 2-3Gal $\beta$ 1-4Glc	Kdn-Gc-GD3
	G18	Kdna2-8Kdna2-3Gal $\beta$ 1-4Glc	Kdn-Kdn-GD3
	G19	Neu5Ac $\alpha$ 2-8Neu5Ac $\alpha$ 2-3(GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc	Ac-Ac-GD2
	G20	Neu5Ac $\alpha$ 2-8Neu5Gca $\alpha$ 2-3(GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc	Ac-Gc-GD2
	G21	Neu5Gca $\alpha$ 2-8Neu5Ac $\alpha$ 2-3(GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc	Gc-Ac-GD2
	G22	Neu5Gca $\alpha$ 2-8Neu5Gca $\alpha$ 2-3(GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc	Gc-Gc-GD2
	G23	Kdna2-8Neu5Ac $\alpha$ 2-3(GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc	Kdn-Ac-GD2
	G24	Kdna2-8Neu5Gca $\alpha$ 2-3(GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc	Kdn-Gc-GD2
	G25	Kdna2-8Kdna2-3(GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc	Kdn-Kdn-GD2
	G26	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-3GalNAc $\beta$ 1-4(Neu5Ac $\alpha$ 2-3)Gal $\beta$ 1-4Glc	Ac-Ac-GD1a
	G27	Neu5Ac $\alpha$ 2-8Neu5Ac $\alpha$ 2-3(Gal $\beta$ 1-3GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc	Ac-Ac-GD1b
	G28	Neu5Gca $\alpha$ 2-8Neu5Gca $\alpha$ 2-3(Gal $\beta$ 1-3GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc	Gc-Gc-GD1b
	G29	Kdna2-8Neu5Gca $\alpha$ 2-3(Gal $\beta$ 1-3GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc	Kdn-Gc-GD1b
	G30	Neu5Ac $\alpha$ 2-8Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-3GalNAc $\beta$ 1-4(Neu5Ac $\alpha$ 2-3)Gal $\beta$ 1-4Glc	Ac-Ac-Ac-GT1a
	G31	GalNAc $\beta$ 1-4(Neu5Ac $\alpha$ 2-8Neu5Ac $\alpha$ 2-8Neu5Ac $\alpha$ 2-3)Gal $\beta$ 1-4Glc	Ac-Ac-Ac-GT2
	G32	Neu5Ac $\alpha$ 2-8Neu5Ac $\alpha$ 2-8Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4Glc	Ac-Ac-Ac-GT3
Lacto- and Neolacto-series	G33	GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc	Lc <sub>3</sub>
	G34	Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc	Lc <sub>4</sub> (LNT)
	G35	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc	nLc <sub>4</sub> (LNnT)
	G36	Gal $\beta$ 1-4(Fuca $\alpha$ 1-3)GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc	Fuc-nLc <sub>4</sub>
	G37	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc	Ac-nLc <sub>4</sub>
	G38	Neu5Gca $\alpha$ 2-3Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc	Gc-nLc <sub>4</sub>
	G39	Kdna2-3Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc	Kdn-nLc <sub>4</sub>
	G40	Neu5Ac8Mea $\alpha$ 2-3Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc	8MeAc-nLc <sub>4</sub>
	G41	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc	Ac-Lc <sub>4</sub>
	G42	Neu5Gca $\alpha$ 2-3Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc	Gc-Lc <sub>4</sub>
	G43	Kdna2-3Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc	Kdn-Lc <sub>4</sub>
	G44	Neu5Ac8Mea $\alpha$ 2-3Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc	8MeAc-Lc <sub>4</sub>
	G45	Neu5Gca $\alpha$ 2-3Gal $\beta$ 1-4(Fuca $\alpha$ 1-3)GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc	Gc-Fuc-nLc <sub>4</sub>
	G46	Kdna2-3Gal $\beta$ 1-4(Fuca $\alpha$ 1-3)GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc	Kdn-Fuc-nLc <sub>4</sub>
	Globo- and Isoglobo-series	G47	Gala $\alpha$ 1-4Gal $\beta$ 1-4Glc
G48		Gala $\alpha$ 1-3Gal $\beta$ 1-4Glc	iGb <sub>3</sub>
G49		GalNAc $\beta$ 1-3Gala $\alpha$ 1-4Gal $\beta$ 1-4Glc	Gb <sub>4</sub>
G50		GalNAc $\beta$ 1-3Gala $\alpha$ 1-3Gal $\beta$ 1-4Glc	iGb <sub>4</sub>
G51		Gal $\beta$ 1-3GalNAc $\beta$ 1-3Gala $\alpha$ 1-4Gal $\beta$ 1-4Glc	Gb <sub>5</sub> (SSEA-3)
G52		Gal $\beta$ 1-3GalNAc $\beta$ 1-3Gala $\alpha$ 1-3Gal $\beta$ 1-4Glc	iGb <sub>5</sub>
G53		Fuca $\alpha$ 1-2Gal $\beta$ 1-3GalNAc $\beta$ 1-3Gala $\alpha$ 1-4Gal $\beta$ 1-4Glc	Globo-H
G54		Neu5Gca $\alpha$ 2-3Gal $\beta$ 1-3GalNAc $\beta$ 1-3Gala $\alpha$ 1-4Gal $\beta$ 1-4Glc	Gc-Gb <sub>5</sub>
G55		Kdna2-3Gal $\beta$ 1-3GalNAc $\beta$ 1-3Gala $\alpha$ 1-4Gal $\beta$ 1-4Glc	Kdn-Gb <sub>5</sub>
G56		Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-3GalNAc $\beta$ 1-3Gala $\alpha$ 1-3Gal $\beta$ 1-4Glc	Ac-iGb <sub>5</sub>
G57		Neu5Gca $\alpha$ 2-3Gal $\beta$ 1-3GalNAc $\beta$ 1-3Gala $\alpha$ 1-3Gal $\beta$ 1-4Glc	Gc-iGb <sub>5</sub>
G58		Kdna2-3Gal $\beta$ 1-3GalNAc $\beta$ 1-3Gala $\alpha$ 1-3Gal $\beta$ 1-4Glc	Kdn-iGb <sub>5</sub>