




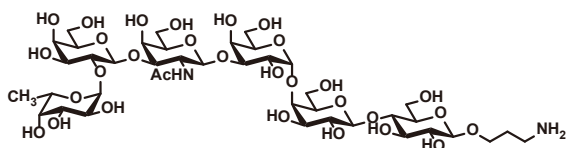
# Tumor-associated Antigens

Carbohydrates play important roles in various biological functions such as cell recognition, cell adhesion, intercellular and intracellular signaling, and embryonic development. Cellular glycosylation profiles significantly change during carcinogenesis. These cellular carbohydrate structures are known as tumor-associated carbohydrate antigens, and they are considered promising targets for immunotherapy as well as developing vaccines and therapeutic antibodies. TCI supports the research in this field with various tools.

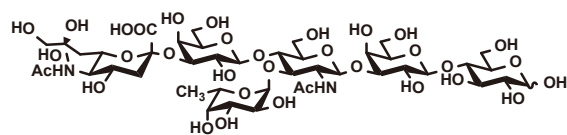
Glycan (Antigen) Name	Product Code			Tumor Tissues	Ref.
	Glycan 	Conjugate 	Antibody 		
<b>Sialyl Lewis X/ CD15s</b>	S0849 S0922 S0923	H1730	A2849	Blood, Breast, Pancreas, Ovarian, Lung, Biliary tract, Gallbladder	1,2,3
<b>Lewis X/CD15</b>	S0946	H1719	A2578	Blood, Colon	4,5
<b>Sialyl Lewis A</b>	AUR	AUR	A2584 A2509	Colon, Pancreas, Biliary tract, Gallbladder	1
<b>Lewis Y/ CD174</b>	AUR	AUR	A2510	Blood, Breast, Kidney, Ovary, Pancreas, Prostate	2,3
<b>GD3/CD60a</b>			A2580	Kidney, Neurogenic, Melanoma	2,3,6,7
<b>GM2</b>	N0971	AUR	A2576	Blood, Breast, Gastrointestinal, Kidney, Lung, Neurogenic, Ovary, Pancreas, Prostate, Melanoma	2,7,8
<b>GM3</b>	G0422 G0419 S0489 S0885	AUR	A2582	Blood, Kidney, Neurogenic	3,6
<b>Forssman Antigen</b>	F0584	AUR		Breast, Kidney	7
<b>Gb3/CD77</b>	G0402 G0403 M1767	H1718	A2506	Blood, Colon, Pancreas	9,10
<b>SSEA-3</b>	G0355 G0434	AUR		Blood, Gastrointestinal, Kidney, Lung, Ovary	11
<b>Globo H</b>	G0447	AUR		Blood, Breast, Kidney, Ovary, Pancreas, Prostate	2,6

# Tumor-associated Saccharide Antigens

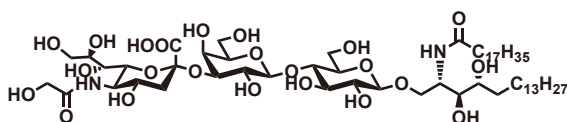
## Globo-H-PrNH<sub>2</sub> [G0447]



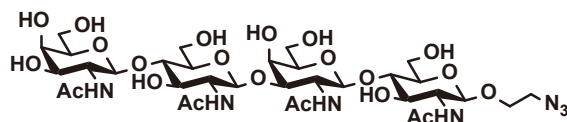
## SialylLewis X-Lactose [S0849]



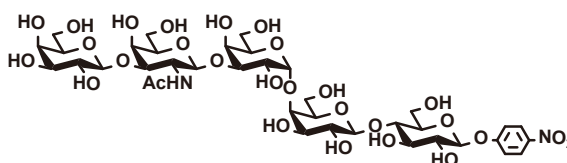
## Ganglioside GM3(Neu5Gc) (phyto-type) [G0510]



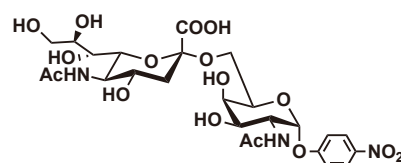
## LacDiNAcDimer Ethylazide [L0237]



## SSEA-3 [G0355]



## Neu5Acα(2-6)GalNAc-α-pNP [N0890]



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