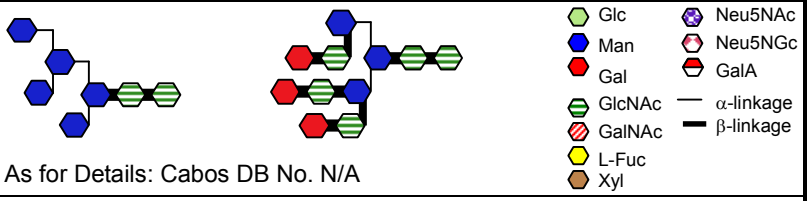
J-OIL MILLS Lectin Information Sheet

Con A ***Canavalia ensiformis* Agglutinin**			
Con A	Code : J103	Pkg. : 500mg	Price : ¥10,000
Con A－Biotin	Code : J203	Pkg. : 5mg	Price : ¥8,000
Con A－HRP	Code : J403	Pkg. : 2mg	Price : ¥10,000
Con A－FITC	Code : J503	Pkg. : 10mg	Price : ¥10,000
Con A－Agarose	Code : J303-10mL	Pkg. : 10ml	Price : ¥8,000
	Code : J303-100mL	Pkg. : 100ml	Price : ¥60,000
Con A－HPLC Column	Code : J603	Pkg. : 1piece	Price : ¥100,000
Origin	*Canavalia ensiformis* (Jack Bean) (Horse bean)		
Sugar Specificity	α-D-Mannose, α-D-Glucose		
Oligosaccharide Specificity [1), 2)]	Biantennaly Hybrid type (N-linked), High mannose type (N-linked), Complex type (N-linked)		
Specific Oligosaccharides	 As for Details: Cabos DB No. N/A		
Hemagglutinating Activity	Yes		
Mitogen Activity	Yes		
Blood Specificity	Non-specific		
Molecular Weight	31,480Da [This is the MW of the unprocessed precursor]		
Amino Acids Residue	290A.A. [This is the length of the unprocessed precursor]		
Gene Length	mRNA : 1027bp [3)]		
Subunit	Homotetramer		
Family	Legume lectin family		
Accession No.(UniProtKB)	P02866		
PDB ID（3D Structure）	1CVN (Trimannoside) [4)] 1ONA (Methyl-3,6-di-O-(α-D-mannopyranosyl)- α-D-mannopyranoside) [5)]		
Metallic ion	Calcium ion, manganese ion		
Glycosylation Site	Asn152 (N-linked)		
Cabos DB No.	N/A		

Reference

1) Goldstein IJ, Reichert CM, Misaki A, *Ann N Y Acad Sci.*, (1974), 234, 283
2) Kornfeld R, Ferris C, *J Biol Chem.*, (1975), 250, 2614
3) Carrington D.M, Auffret A, Hanke D.E, *Nature*, (1985), 313, 64
4) Naismith JH, Field RA, *J Biol Chem.*, (1996) , 271, 972
5) Loris R, Maes D, Poortmans F, Wyns L, Bouckaert J, *J Biol Chem.*, (1996), 271,30614