




J-OIL MILLS Lectin Information Sheet

Lotus <i>Lotus tetragonolobus</i> Agglutinin	
Lotus	Code : J109 Pkg. : 5mg Price : ¥13,000
Lotus–Biotin	Code : J209 Pkg. : 1mg Price : ¥8,000
Lotus–FITC	Code : J509 Pkg. : 1mg Price : ¥8,000
Lotus–Agarose	Code : J309 Pkg. : 2ml Price : ¥16,000
Origin	<i>Lotus tetragonolobus</i> (Winged pea)
Sugar Specificity	L-Fucose
Oligosaccharide Specificity	LewisY
Specific Oligosaccharides	 <div style="display: flex; justify-content: space-between; font-size: small;"> <ul style="list-style-type: none"> ● Glc ● Man ● Gal ◻ GlcNAc ◻ GalNAc ● L-Fuc ● Xyl <ul style="list-style-type: none"> ● Neu5NAc ◻ Neu5NGc ◻ GalA — α-linkage — β-linkage </div> <p>As for Details: Cabos DB No. N/A</p>
Hemagglutinating Activity	Yes
Mitogen Activity	No
Blood Specificity	H (O)
Molecular Weight	26,298Da [This is the MW of the unprocessed precursor]
Amino Acids Residue	240A.A. ¹⁾ [This is the length of the unprocessed precursor]
Gene length	N/A
Subunit	Tetramer of three subunits (subunit A, B, C)
Family	Legume lectin family
Accession No. (UniProtKB)	P19664
PDB ID (3D Structure)	N/A
Metallic ion	Binds manganese ions and calcium ions.
Glycosylation Site	Asn4 (N-linked)
Cabos DB No.	N/A

Reference

1) Konami Y, Yamamoto K, Osawa T, *FEBS Lett.* (1990) , 268, 281