




J-OIL MILLS Lectin Information Sheet

UEA- I <i>Ulex europaeus</i> Agglutinin	
UEA – I	Code : J119 Pkg. : 2mg Price : ¥10,000
UEA – I – Biotin	Code : J219 Pkg. : 1mg Price : ¥13,000
UEA – I – FITC	Code : J519 Pkg. : 1mg Price : ¥10,000
UEA – I – HRP	Code : J419 Pkg. : 1mg Price : ¥22,000
UEA – I – Agarose	Code : J319 Pkg. : 2ml Price : ¥25,000
Origin	<i>Ulex europaeus</i>
Sugar Specificity	α -L-Fucose ^{1), 2)}
Oligosaccharide Specificity	Fuc α 1-2Gal β 1-4GlcNAc- ^{1), 2), 3)}
Specific Oligosaccharides	 <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <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	O>>A1, A2
Molecular Weight	26,670Da
Amino Acids Residue	243A.A.
Gene length	N/A
Subunit	Tetramer of two subunits ²⁾
Family	legume lectin family
Accession No. (UniProtKB)	P22972
PDB ID (3D Structure)	1FX5 (GlcNAc-GlcNAc-Fuc-Man-Man-Xyl, GlcNAc-GlcNAc-Fuc) ⁴⁾ , 1JXN (α Met-Fuc) ⁵⁾
Metallic ion	manganese ion, calcium ion
Glycosylation Site	Asn10, Asn116 (N-linked)
Cabos DB No.	N/A

Reference

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- 3) Pereira ME, Kisailus EC, Gruezo F, Kabat EA, *Arch Biochem Biophys.*, (1978), 185, 108
- 4) Audette GF, Vandonselaar M, Delbaere LT, *J Mol Biol.*, (2000), 304, 423
- 5) Audette GF, Olson DJH, Ross ARS, J.W.Quail JW, Delbaere LTJ, *Can.J.Chem.*, (2002), 80, 101