

WGA <i>Triticum vulgare</i> Agglutinin															
WGA (Wheat Germ) - FITC	Code : 300261-1 Pkg. : 2mg														
Origin	<i>Triticum Vulgaris</i> (wheat germ)														
Sugar Specificity	D-GlcNAc ^{1), 2)} , NeuAc ³⁾														
Oligosaccharide Specificity ³⁾	GlcNAc β 1-4GlcNAc β 1-4GlcNAc GlcNAc β 1-4GlcNAc														
Specific Oligosaccharides	<div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <p>As for Details: Cabos DB No. N/A</p> </div> </div> <div style="margin-top: 10px;"> <table style="font-size: small;"> <tr> <td> Glc</td> <td> Neu5NAc</td> </tr> <tr> <td> Man</td> <td> Neu5NGc</td> </tr> <tr> <td> Gal</td> <td> GalA</td> </tr> <tr> <td> GlcNAc</td> <td>— α-linkage</td> </tr> <tr> <td> GalNAc</td> <td>— β-linkage</td> </tr> <tr> <td> L-Fuc</td> <td></td> </tr> <tr> <td> Xyl</td> <td></td> </tr> </table> </div>	 Glc	 Neu5NAc	 Man	 Neu5NGc	 Gal	 GalA	 GlcNAc	— α -linkage	 GalNAc	— β -linkage	 L-Fuc		 Xyl	
 Glc	 Neu5NAc														
 Man	 Neu5NGc														
 Gal	 GalA														
 GlcNAc	— α -linkage														
 GalNAc	— β -linkage														
 L-Fuc															
 Xyl															
Hemagglutinating Activity	Yes														
Mitogen Activity	No														
Blood Specificity	Non-specific														
Cabos DB No.	N/A														
WGA Iso-lectin WGA1, Isolectin A, WGA-A															
Molecular Weight	21,239Da [This is the MW of the unprocessed precursor]														
Amino Acids Residue	212A.A. [This is the length of the unprocessed precursor]														
Gene length	mRNA: 998bp ⁴⁾														
Subunit	homodimer														
Family	Chitin-binding type-1 domein														
Accession No.(UniProtKB)	P10968														
PDB ID (3D Structure)	1WGC (3'Sialyllactose) ³⁾ , 2CWG (SialylT-antigen) ⁵⁾ 7WGA ³⁾														
Metallic ion	None														
Glycosylation Site	None														
Cabos DB No.	N/A														


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WGA Iso-lectin WGA2, Isolectin D, WGA-B	
Molecular Weight	21,356Da [This is the MW of the unprocessed precursor]
Amino Acids Residue	213A.A. [This is the length of the unprocessed precursor]
Gene length	mRNA: 998bp ⁴⁾
Subunit	homodimer
Family	Chitin-binding type-1 domein
Accession No.(UniProtKB)	P02876
PDB ID (3D Structure)	2WGC (3'Sialyllactose) ³⁾ 、 9WGA ³⁾
Metallic ion	None
Glycosylation Site	None
Cabos DB No.	N/A
WGA Isolectin WGA3 (Fragment)	
Molecular Weight	18,756Da [This is the MW of the unprocessed precursor]
Amino Acids Residue	186A.A. [This is the length of the unprocessed precursor]
Gene length	mRNA: 898bp ⁶⁾
Subunit	homodimer
Family	Chitin-binding type-1 domein
Accession No.(UniProtKB)	P10969
PDB ID (3D Structure)	1K7T (GlcNAc β 1-6 Gal) ⁷⁾ , 1K7U (GlcNAc β 1-6GlcNAc) ⁷⁾ 1K7V (GlcNAc β 1-6Gal β 1-4Glc) ⁷⁾ , 1WGT ⁸⁾
Metallic ion	None
Glycosylation Site	None
Cabow DB No.	N/A

Reference

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