

Native Wheat germ *Triticum vulgaris* Lectin (WGA), MagneZoom™-Conjugated

Cat. No. WGA-425W **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Wheat germ <i>Triticum vulgaris</i> Lectin (WGA) - MagneZoom™ Blood Group Specificity: Non-specific Preferred Sugar Specificity: (GlcNAcβ4)n Mitogenic Activity: No Hazardous Shipping: Non-hazardous Suspension: 25 mg magnetic beads/mL Particle size (average): 2-5 μm Ligand: <i>Triticum vulgaris</i> (Wheat Germ) Lectin (WGA) Ligand density: ~3 mg/mL Binding Capacity: 2-3 mg/mL pH stability: 4-9 (for use), 2-10 (for cleaning)
Species	Wheat germ
Source	Wheat Germ
Description	Wheat germ agglutinin (WGA) is a lectin that is affinity purified from <i>Triticum vulgaris</i> and non-enzymatically binds to N-acetyl-D-glucosamine and sialic acid residues of glycoproteins and glycolipids. This lectin protects <i>Triticum vulgaris</i> from insects, yeast and bacteria. WGA consists of two subunits and has a molecular weight of 36 kDa. It is an acidic protein and has mitogenic activity toward lymphocytes. It agglutinates erythrocytes and most types of malignant cells. <i>Triticum vulgaris</i> Lectin (WGA) - MagneZoom are silica-coated super paramagnetic beads covalently linked to Wheat

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Germ Agglutinin (WGA). The aminated paramagnetic beads are immobilized using EDC and stabilized in a buffer to retain maximum activity. These beads are ideal for iP applications to pull down glycoproteins.

Form	Liquid
Purity	High Purity Grade
Stability	Shelf Life: 1 year
Storage	At 2-8 centigrade.
Storage Buffer	Saline solution/0.02% sodium azide

GENE INFORMATION

Official Symbol	WGA
Synonyms	Triticum vulgaris Lectin; WGA

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