

Active Native Wheat germ *Triticum vulgaris* Lectin (WGA), BlackPearl®-Conjugated

Cat. No. WGA-097W **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Wheat germ <i>Triticum vulgaris</i> Lectin (WGA) - BlackPearl® Blood Group Specificity: Non-specific Preferred Sugar Specificity: (GlcNAcβ4)n Mitogenic Activity: No Hazardous Shipping: Non-hazardous Carbohydrate Specificity: N-Acetylglucosamine
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. BlackPearl® is an agarose matrix embedded within MagneZoom™ paramagnetic beads. Agarose is activated by aldehyde to couple with <i>Triticum vulgaris</i> Lectin (WGA) - BlackPearl® and obtain maximum binding per bead for iP applications.
Form	Liquid

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Bio-activity	10 µg/ml will agglutinate human erythrocytes nonspecifically.
Purity	High Purity Grade
Stability	Shelf Life: 1 year
Storage	At 2-8 centigrade.

GENE INFORMATION

Official Symbol	WGA
Synonyms	Triticum vulgaris Lectin; WGA

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