

Active Native Triticum vulgaris Lectin (WGA), Mitogen Solution-Conjugated

Cat. No. WGA-720W Lot. No. (See product label)

SPECIFICATION

Product Overview	Native Wheat Triticum vulgaris Lectin (WGA) - Mitogen Solution
	Hazardous Shipping: Non-hazardous
	Carbohydrate Specificity: N-Acetylglucosamine
	Inhibitory Carbohydrate: Chitin hydrolysate or 500 mM N-Acetylglucosamine
	Mitogenic Activity: Yes
	Divalent Ions Required: None
Species	Wheat
Source	Wheat
Description	Wheat germ agglutinin (WGA) is a lectin that is affinity purified from Triticum vulgaris and non-enzymatically binds to N-acetyl-D-glucosamine and sialic acid residues of glycoproteins and glycolipids. This lectin protects Triticum vulgaris 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. Some lectins trigger mitogenic activities in differentiated or resting cells. These lectins do not cause toxicity. The correct concentration of affinity purified Triticum vulgaris (Wheat) Lectin (WGA) is provided in a sterile solution for stimulating cells that respond to the lectin.
Form	Liquid

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Bio-activity	10 µg/ml will agglutinate human erythrocytes nonspecifically.
Storage	Store frozen at -20 centigrade in amber vials or covered with foil in appropriate aliquot sizes. Avoid freeze thaw cycles. Can be stored at 2-8 centigrade for short term use. Clarify by centrifugation, if needed.

GENE INFORMATION

Official Symbol	WGA
Synonyms	Triticum vulgaris Lectin; WGA