Active Native Wheat Triticum vulgaris Lectin (WGA), Cy3-Conjugated

Cat. No. WGA-188W **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Wheat Triticum vulgaris Lectin (WGA) - Cy3 Blood Group Specificity: Non-specific Preferred Sugar Specificity: N-Acetylglucosamine Inhibiting or Eluting Sugar: Chitin Hydrolysate or N-Acetylglucosamine w/acid or salt Divalent Ions: Ca++ Excitation: 550 nm Emission: 570 nm Mitogenic Activity: Yes Hazardous Shipping: Non-hazardous Fluorescence: Orange Carbohydrate Specificity: N-Acetylglucosamine
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. Cy3 can be used to visualize the binding pattern of Triticum vulgaris Lectin (WGA) in cellular imaging and flow

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	cytometry. Cy3 is more photostable than many other fluorophores and can be seen with TRITC filter sets. It is commonly combined with green-fluorescent dyes for dual-labeling.
Form	Liquid
Bio-activity	10 µg/ml will agglutinate human erythrocytes nonspecifically.
Stability	Shelf Life: 1 year
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.
Concentration	1 mg/mL

GENE INFORMATION

Official Symbol	WGA
Synonyms	Triticum vulgaris Lectin; WGA

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