

# Active Native Triticum vulgaris Lectin (WGA), Separopore® 4B MicroPass™-Conjugated

**Cat. No.** WGA-723W    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Product Overview</b> | <p>Native Wheat Triticum vulgaris Lectin (WGA) - Separopore® 4B MicroPass™</p> <p>Hazardous Shipping: Non-hazardous</p> <p>Carbohydrate Specificity: N-Acetylglucosamine</p> <p>Inhibitory Carbohydrate: Chitin hydrolysate or 500 mM N-Acetylglucosamine</p> <p>Mitogenic Activity: Yes</p> <p>Divalent Ions Required: None</p> <p>Conjugation: Micropass Columns</p>                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Wheat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | Wheat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | <p>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. MicroPass™ microcolumns are prepared by conjugating Separopore® 4B with affinity purified (AffyPure™) Triticum vulgaris Lectin (WGA). These microcolumns are used for MS and proteomic analysis to analyze of &lt;100µL samples.</p> |
| <b>Bio-activity</b>     | 10 µg/ml will agglutinate human erythrocytes nonspecifically.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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| <b>Storage</b> | At 2-8 centigrade. |
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## GENE INFORMATION

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|------------------------|-----|
| <b>Official Symbol</b> | WGA |
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|-----------------|-------------------------------|
| <b>Synonyms</b> | Triticum vulgaris Lectin; WGA |
|-----------------|-------------------------------|

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