# Native Mushroom Agaricus bisporus Lectin (ABA/ABL), Ferritin-Conjugated

**Cat. No.** ABA/ABL-252M **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Native Mushroom Agaricus bisporus Lectin (ABA/ABL) - Ferritin<br>Blood Group Specificity: Non-specific<br>Preferred Sugar Specificity: Galactoseβ1-3N-Acetylgalactosamine<br>Inhibiting or Eluting Sugar: Fetuin<br>Divalent Ions: None Required<br>Mitogenic Activity: No<br>Hazardous Shipping: Non-hazardous |
| **Species** | Mushroom |
| **Source** | Mushroom |
| **Description** | Agaricus bisporus agglutinin (ABA) is an affinity-purified tetramer composed of two to four isolectins. ABA has two distinct carbohydrate binding sites, one for galactose-β-1,3-N-acetylgalactosamine and another for galactose-β-1,3-N-acetylglucosamine. Agaricus bisporus has an anti-proliferative effect on cancerous cells. ABA can be internalized by clathrin-coated vesicles after binding to surface glycoproteins, thus making ABA an inhibitor of its nuclear import of signal-dependent proteins. Agaricus bisporus Lectin (ABA/ABL) is conjugated to ferritin, that has a molecular weight of 474,000 g/mol (all 24 subunits combined). Ferritin-conjugated ABA/ABL can be used to visualize localization of specific saccharide moieties and examine the distribution of plasma membrane glycoproteins. These conjugates can be viewed via electron microscopy. |

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| **Form** | Liquid |
| **Purity** | High Purity Grade |
| **Stability** | Shelf Life: 1 year |
| **Storage** | At 2-8 centigrade. |
| **Concentration** | 1 mg/mL |

## GENE INFORMATION

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| **Official Symbol** | ABA/ABL |
| **Synonyms** | Agaricus bisporus Lectin; ABA/ABL |

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