

Active Native Agaricus bisporus lectin Protein

Cat. No. Lectin-1760A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the unconjugated Agaricus bisporus lectin and has sugar specificity against Gal(b-1,3)GalNAc (T disaccharide).
Species	Agaricus bisporus
Source	Agaricus bisporus
Description	Agaricus bisporus lectin (ABL) isolated from the edible white button mushroom, is composed of two to four very similar isolectins, each a tetramer of approximately 17 kD subunits. This lectin binds the Thomsen-Friedenreich antigen, also called T disaccharide, galactosyl (β -1,3) N-acetylgalactosamine. Unlike peanut agglutinin, which does not bind sialylated T antigen, ABL binds either sialylated or asialylated forms. Also, whereas peanut agglutinin has a proliferative effect on cancer cells, ABL is anti-proliferative, apparently without cytotoxicity. ABL binds all blood groups and O-linked glycans of IgA subclasses. Simple mono- and disaccharides are only marginally inhibitory.
Form	10 mM HEPES, pH 7.5, 150 mM NaCl, 0.08% sodium azide
Bio-activity	Sugar Specificity: Gal(b-1,3)GalNAc (T disaccharide)
Applications	Immunofluorescence, Glycobiology
Storage	Refrigerate in the dark.

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Concentration	2 mg/ml
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GENE INFORMATION

Synonyms	Lectin; ABL
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UniProt ID	Q00022
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