

Native Agaricus bisporus lectin Protein

SPECIFICATION

Cat.No.	Lectin-1760A
Species	Agaricus bisporus
Product Name	Native Agaricus bisporus lectin Protein
Product Overview	This product is the unconjugated Agaricus bisporus lectin and has sugar specificity against Gal(b-1,3)GalNAc (T disaccharide).
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.
Source	Agaricus bisporus
Form	10 mM HEPES, pH 7.5, 150 mM NaCl, 0.08% sodium azide
Storage	Refrigerate in the dark.
Synonyms	Lectin; ABL
UniProt ID	Q00022
Concentration	2 mg/ml
Bio-activity	Sugar Specificity: Gal(b-1,3)GalNAc (T disaccharide)
Applications	Immunofluorescence, Glycobiology
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