

Datasheet for ABA Mushroom Lectin (*Agaricus bisporus*)

ABA Mushroom Lectin	
ABA	Catalog Number: MGC-J102 Pkg: 5mg Product Form: Lyophilized powder (salt-free) Storage: Stable for 1 year at 4°C

Origin	Mushroom (<i>Agaricus bisporus</i>)
Sugar Specificity	β-D-Gal, D-GalNAc Strong binding especially to Galβ1-3GalNAcα1-Ser/Thr (T-antigen)
Mitogenic Activity	None
Blood Type Specificity	Non-specific
Structure	Glycoprotein with a molecular weight of 16,000, composed of four subunits Contains four isolectins with different amino acid compositions and isoelectric points
Features	Binds to mucin-type glycans with Galβ1-3GalNAc structure Does not bind to N-linked glycans (Asn-linked) Significantly different from peanut lectin (PNA) in that it also binds to glycans containing sialic acid with α2-3 or α2-6 linkages , such as Siaα2-3(6)Galβ1-3GalNAcα1-Ser/Thr

References

1. Nakamura-Tsuruta, S., Hirabayashi, J., et al., *Biochem Biophys Res Commun.*, **347**, 215
2. Kaifu, R., Osawa, T., *Carbohydr. Res.*, **69**, 79 (1979)
3. Sueyoshi, S., Tsuji, T., *Biol. Chem. Hoppe-Seyler*, **366**, 213 (1985)