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MAACKIA AMURENSIS LECTIN II (MAL II), BIOTINYLATED

SKU: B-1265-1



DESCRIPTION

Although the specificity of this lectin is not well defined, MAL II appears to bind only particular carbohydrate structures that contain sialic acid. Unlike Sambucus nigra lectin (SNA) which seems to prefer structures with (α-2,6) linked sialic acid, MAL II appears to bind sialic acid in an (α-2,3) linkage. Tissue staining patterns are also very different among MAL I, SNA and MAL II.

Biotinylated Maackia amurensis lectin II has an appropriate number of biotins bound to provide the optimum staining characteristics for this lectin. This conjugate is supplied essentially free of unconjugated biotins and is preserved with sodium azide.

SPECIFICATIONS

Molecular Weight	130
Extinction Coefficient	1.33

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Formulation	10 mM HEPES, pH 7.5, 0.15 M NaCl, 0.08% sodium azide.
Inhibiting or Eluting Sugar	Neuraminidase treatment or Fetuin
Unit Size	1 mg
Storage Instructions	2-8 °C
Sugar Specificity	α2,3-sialylated Galb1−3GalNAc in O-glycans, and 3′O-sulfated Gal.
Usage Summary	For most applications, we recommend a freshly prepared working solution of 5-20 µg/ml in the below buffer.
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Elispot, ELISAs, Glycobiology
Concentration	1 mg active conjugate/ml
Conjugate	Biotinylated

TECHNICAL INFORMATION

Maackia amurensis lectin II (MAH) is a glycoprotein consisting of two subunits each of which is composed of disulfide-linked chains.

This biotinylated lectin is an ideal intermediate for examining glycoconjugates using the Biotin-Avidin/Streptavidin System. First the biotinylated lectin is added, followed by the VECTASTAIN ABC Reagent, Avidin D conjugate, or streptavidin derivative.

Geisler, C and Jarvis, D.L. Glycobiology, vol. 21, no. 8 pp. 988-993, 2011

Inhibitor: Human glycophorin

CITATIONS

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DOCUMENTS

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- Safety Data Sheet
- Lectins in Histochemistry, ELISA, and Western Blot Applications
- Download CoA
- Datasheet

GALLERY IMAGES



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