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MAACKIA AMURENSIS LECTIN I (MAL I), BIOTINYLATED

SKU: B-1315-2



DESCRIPTION

Maackia amurensis lectin I binds gal (β-1,4) glcNAc but tolerates substitution of *N*-acetyllactosamine with sialic acid at the 3 position of galactose. However, MAL I does not appear to bind this structure when substitution with sialic acid is on the 6 position of galactose.

Biotinylated *Maackia amurensis* lectin 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	1.4

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Inhibiting or Eluting Sugar	Lactose or Mucin
Unit Size	2 mg
Storage Instructions	2-8 °C; Store frozen for long term storage
Sugar Specificity	Terminal 3-O sulfated Galactose on LacNAc, and terminal α2,3-sialic acid on type 2 LacNAc
Usage Summary	Reconstitute in 1 ml water. The resulting solution will be: 10 mM HEPES, pH 7.5, 0.15 M NaCl, 0.08% NaN3, 0.1 mM CaCl2, 0.01 mM MnCl2.
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Elispot, ELISAs, Glycobiology
Conjugate	Biotinylated

TECHNICAL INFORMATION

This lectin is the leucoagglutinin or mitogenic isolectin from *Maackia* seeds.

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

Inhibiting Sugar: 200 mM lactose

CITATIONS

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DOCUMENTS

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

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- Datasheet

GALLERY IMAGES



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