



# MAACKIA AMURENSIS LECTIN I (MAL I), BIOTINYLATED

SKU: B-1315-2



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## DESCRIPTION

*Maackia amurensis* lectin I binds gal ( $\beta$ -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

<b>Molecular Weight</b>	130
<b>Extinction Coefficient</b>	1.4

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