



# MAACKIA AMURENSIS LECTIN I (MAL I), UNCONJUGATED

SKU: L-1310-5



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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.

## SPECIFICATIONS

<b>Molecular Weight</b>	130
<b>Extinction Coefficient</b>	1.4
<b>Inhibiting or Eluting Sugar</b>	Lactose or Mucin
<b>Unit Size</b>	5 mg
<b>Storage Instructions</b>	2-8 °C
<b>Sugar Specificity</b>	Terminal 3-O sulfated Galactose on LacNAc, and terminal $\alpha$ 2,3-sialic acid on type 2 LacNAc

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### Usage Summary

Although many buffers can be employed for reconstituting and diluting this lectin, 10 mM HEPES buffered saline, pH 8.5, 0.1 mM CaCl<sub>2</sub> is recommended. For preserving solutions stored at 4 °C, 0.08% sodium azide can be used.

### Applications

Glycobiology, Mitogenic Stimulation

### Conjugate

Unconjugated

## TECHNICAL INFORMATION

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

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

- [Lectins in Histochemistry, ELISA, and Western Blot Applications](#)
- [Safety Data Sheet](#)
- [Download CoA](#)
- [Datasheet](#)

## GALLERY IMAGES

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