



MAACKIA AMURENSIS LECTIN I (MAL I), UNCONJUGATED

SKU: L-1310-5



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.

SPECIFICATIONS

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

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.



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 CaCl₂ 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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