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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 α2,3-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 CaCl2is recommended. For preserving solutions stored at 4 ºC, 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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