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MAACKIA AMURENSIS LECTIN I (MAL I), FLUORESCEIN

SKU: FL-1311-2



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.

Fluorescein labeled *Maackia amurensis* lectin has an appropriate number of fluorochromes bound to provide the optimum staining characteristics for this lectin. This conjugate is supplied essentially free of unconjugated fluorochromes. The excitation maximum is at 495 nm and the emission maximum is at 515 nm.

SPECIFICATIONS

Molecular Weight	130
Color of Fluorescence	Green

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Extinction Coefficient	1.4
Formulation	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide. 0.1 mM CaCl2
Inhibiting or Eluting Sugar	Lactose or Mucin
Maximum Emission	514-521 nm
Maximum Excitation	495-500 nm
Unit Size	2 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
Usage Summary	The recommended concentration range for use is 5-20 µg/ml.
Applications	Immunofluorescence, Glycobiology
Concentration	2 mg active conjugate/ml
Conjugate	Fluorescein

TECHNICAL INFORMATION

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

Accompanying each fluorescent lectin is an analysis data sheet summarizing the results of our quality control tests and providing pertinent information on the product. All of these reagents are supplied as solutions preserved with sodium azide.

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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