

Active Native Musa Paradisiaca (Banana) Lectin Protein

Cat. No. Lectin-1741M Lot. No. (See product label)

SPECIFICATION

Product Overview	This product is the Musa Paradisiaca (Banana) Lectin and has sugar specificity against Mannose, Glucose
Species	Musa paradisiaca
Source	Musa paradisiaca
Description	Isolated from the cultivated banana Musa paradisiaca, banana lectin (BanLec) is a very stable mannose- and glucose-binding lectin consisting of two identical 15 kDa subunits and a reported isoelectric point of pH 7.3. Although structurally related to the Jacalin family of lectins, BanLec recognizes internal $\alpha(1,3)$ glucosyl- and mannosyl-residues and has also been reported to bind $\beta(1,3)$ and $\beta(1,6)$ glucosyl-structures.
Bio-activity	Inhibiting/eluting sugar: 200 mM α -methyl mannoside or mannose
Molecular Mass	30 kDa
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Glycobiology, Mitogenic Stimulation
Storage	Refrigerate in the dark.
Reconstitution	Reconstitute lectin with 10 mM HEPES buffered saline, pH 7.5, 0.08% sodium azide. Subsequent storage should be at 4 centigrade.

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GENE INFORMATION

Synonyms Lectin; BanLec

UniProt ID [Q8L5H4](#)

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