

Active Native Hippeastrum Hybrid (Amaryllis) Lectin Protein

Cat. No. Lectin-1739H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the Hippeastrum Hybrid (Amaryllis) Lectin and Amaryllis lectin binds only α -mannose residues, unlike Con A, LCA and PSA that also bind α -glucosyl structures.
Species	Hippeastrum hybrid
Source	Hippeastrum hybrid
Description	This lectin is composed of four subunits of identical size and is immunologically related to GNL and NPL. Amaryllis lectin binds only α -mannose residues, unlike Con A, LCA and PSA that also bind α -glucosyl structures. Like NPL there appears to be an extended binding site for polymannose structures, not requiring mannose to be at the non-reducing terminus. HHL binds both (α -1,3) and (α -1,6) linked mannose structures, as well as some yeast galactomannans.
Bio-activity	Inhibiting Sugar: 100 mM α -methylmannoside
Molecular Mass	50 kDa
Applications	Glycobiology
Storage	Refrigerate in the dark.
Reconstitution	Although many buffers can be employed for reconstituting and diluting this lectin, 10 mM HEPES buffered saline, pH 8.5, 0.1 mM Ca^{2+} is recommended.

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For preserving solutions stored at 4 centigrade, 0.08% sodium azide can be used.

GENE INFORMATION

Synonyms	Lectin; HHL, AL
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