

Active Native Pisum Sativum Agglutinin Protein

Cat. No. Lectin-1829P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the Unconjugated Pisum Sativum Agglutinin (PSA) and has sugar specificity against Mannose and Glucose.
Species	Pisum Sativum
Source	Pisum Sativum
Description	Pisum sativum agglutinin is nearly identical in structure and carbohydrate specificity to Lens culinaris agglutinin. The lectin has specificity toward α -linked mannose-containing oligosaccharides, with an N-acetylchitobiose-linked α -fucose residue included in the receptor sequence. Calcium and manganese ions are required for activity. PSA has been used to fractionate cells, to isolate glycoproteins and glycopeptides, to distinguish between normal and virally transformed cells, as a T-cell mitogen, and as an inhibitor of allograft rejection.
Bio-activity	Inhibiting/Eluting Sugar: mixture of 200 mM α -methylmannoside/200 mM α -methylglucoside
Molecular Mass	53 kDa
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Glycobiology, Mitogenic Stimulation
Storage	Refrigerate

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Reconstitution

Although many buffers can be employed for reconstituting and diluting this lectin, 10 mM HEPES buffered saline, pH 8.5, 0.1 mM Ca²⁺ is recommended. For preserving solutions stored at 4 centigrade, 0.08% sodium azide can be used.

GENE INFORMATION**Synonyms**

Lectin; PSA

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