

Active Native Pisum Sativum Agglutinin Protein, Biotinylated

Cat. No. Lectin-1828P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the Biotinylated 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.
Form	10 mM HEPES, pH 7.5, 0.15 M NaCl, 0.1 mM Ca^{2+} , 0.01 mM Mn^{2+} , 0.08% sodium azide
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, Elispot, ELISAs, Glycobiology

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Usage	For most applications we recommend a freshly prepared working solution of 5-20 g/ml.
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Storage	Refrigerate; for long term storage, aliquot and store frozen.
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Concentration	5 mg/ml
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GENE INFORMATION

Synonyms	Lectin; PSA
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UniProt ID	P02867
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