



PISUM SATIVUM AGGLUTININ (PSA), UNCONJUGATED

SKU: L-1050-10



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.

SPECIFICATIONS

Molecular Weight	53
Extinction Coefficient	1.2
Inhibiting or Eluting Sugar	Mixture of α -methyl-mannoside & α -methyl-glucoside
Unit Size	10 mg
Storage Instructions	2-8 °C

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.



Sugar Specificity	α 1,6-linked fucose
Usage Summary	Although many buffers can be employed for reconstituting and diluting this lectin, 10 mM HEPES buffered saline, pH 8.5, 0.1 mM CaCl ₂ is recommended. For preserving solutions stored at 4 °C, 0.08% sodium azide can be used.
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Glycobiology, Mitogenic Stimulation
Conjugate	Unconjugated

TECHNICAL INFORMATION

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.

Inhibiting/Eluting Sugar: mixture of 200 mM α -methylmannoside/200 mM α -methylglucoside

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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www.vectorlabs.com

Email: customerservice@vectorlabs.com

Telephone: [\(650\) 697-3600](tel:(650)697-3600)



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