Native Pea Pisum sativum Lectin (PSA/PSL)

Cat. No. PSA/PSL-682P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Pea Pisum sativum Lectin (PSA/PSL) - Pure Blood Group Specificity: Non-specific Preferred Sugar Specificity: α-Mannose, α-Glucose Inhibiting or Eluting Sugar: α-Methylmannoside + α-Methylglucoside Divalent Ions: Ca++, Mn++ Mitogenic Activity: Yes Hazardous Shipping: Non-hazardous
Species	Pea
Source	Pea
Description	Affinity purified Pisum sativum lectin or agglutinin (PSA) is a heterodimer that consists of four subunits. It has a carbohydrate specificity towards -linked mannose-containing oligosaccharides. Its hemagglutinating activity can be inhibited by glucose, mannose, and sucrose. It does not have a blood group specificity. The N-terminal sequence of the lectin has shown some degree of homology compared to lectins from other legume species. Pisum sativum lectin has also shown mitogenic effect toward murine splenocytes and could inhibit activity of HIV-1 reverse transcriptase. PSA is often used to differentiate virally transformed from normal cells. Calcium and manganese ions are required for activity
Form	Lyophilized

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Molecular Mass	53 kDa
Purity	High Purity Grade
Applications	Agglutination, Model for carbohydrate recognition of proteins, Separation of lymphoblastic leukemia antigen in kidney cells, Purification of feline T-lymphocytes
Storage	At -20 centigrade.

GENE INFORMATION

Official Symbol	PSA/PSL
Synonyms	Pisum sativum Lectin; PSA/PSL

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