

Native Japanese pagoda tree *Styphnolobium japonicum* Lectin (SJA)

Cat. No. SJA-716J **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Japanese pagoda tree <i>Styphnolobium japonicum</i> Lectin (SJA) - Pure Blood Group Specificity: A>B>O(-SA) Preferred Sugar Specificity: β-N-Acetylgalactosamine Inhibiting or Eluting Sugar: N-Acetylgalactosamine Divalent Ions: Ca⁺⁺, Mn⁺⁺ Mitogenic Activity: No Hazardous Shipping: Non-hazardous
Species	Japanese pagoda tree
Source	Japanese pagoda tree
Description	<i>Styphnolobium japonicum</i> agglutinin (SJA) is affinity purified from Japanese pagoda tree seeds. It consists of two subunits. The subunits can be separated into two subfractions, a D-galactose/N-acetyl-D-galactosamine specific lectin (B-SJA-I) and a D-mannose/D-glucose specific lectin (B-SJA-II). SJA agglutinates all blood group types but has greater affinity for A erythrocytes than of B types, than of O (-SA) types. Binding experiments of the lectin with frozen sections of human kidneys shows specific binding to the endothelia in specimens from blood groups B or AB, thus indicating a D-galactose/N-acetyl-D-galactosamine receptor specificity. SJA lacks mitogenic and immune-suppressive activity.
Form	Lyophilized

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Molecular Mass	133 kDa
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Purity	High Purity Grade
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Storage	At -20 centigrade.
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GENE INFORMATION

Official Symbol	SJA
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Synonyms	Styphnolobium japonicum Lectin; SJA
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