

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

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

## SPECIFICATION

**Product Overview**

Native Japanese pagoda tree *Styphnolobium japonicum* Lectin (SJA) - Pure  
 Blood Group Specificity: A>B>O(-SA)  
 Preferred Sugar Specificity:  $\beta$ -N-Acetylgalactosamine  
 Inhibiting or Eluting Sugar: N-Acetylgalactosamine  
 Divalent Ions: Ca<sup>++</sup>, Mn<sup>++</sup>  
 Mitogenic Activity: No  
 Hazardous Shipping: Non-hazardous

**Species** Japanese pagoda tree

**Source** Japanese pagoda tree

**Description**

*Styphnolobium japonicum* 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

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<b>Molecular Mass</b>	133 kDa
<b>Purity</b>	High Purity Grade
<b>Storage</b>	At -20 centigrade.

## GENE INFORMATION

<b>Official Symbol</b>	SJA
<b>Synonyms</b>	Styphnolobium japonicum Lectin; SJA

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