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

GENE INFORMATION

Official Symbol	SJA
Synonyms	Styphnolobium japonicum Lectin; SJA

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