

Native Horse gram Dolichos biflorus Lectin (DBA)

Cat. No. DBA-610H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Native Horse gram Dolichos biflorus Lectin (DBA) - Pure
 Blood Group Specificity: A1>>A2
 Preferred Sugar Specificity: α-N-Acetylgalactosamine
 Inhibiting or Eluting Sugar: N-Acetylgalactosamine
 Divalent Ions: Ca⁺⁺, Mn⁺⁺, Mg⁺⁺, Zn⁺⁺
 Mitogenic Activity: No
 Hazardous Shipping: Non-hazardous

Species Horse gram

Source Horse gram

Description

Dolichos biflorus agglutinin (DBA) is isolated from horse gram and purified by affinity chromatography. DBA is a glycoprotein with a molecular weight of about 111,000 and consists of 4 subunits of equal size. This lectin has an isoelectric point between pH 4.6 and pH 5.5. DBA has been used as a general marker of developing renal collecting ducts, which can then be used to establish secretion status in blood group A individuals by hemagglutination inhibition and for detecting blood typing. DBA is over thousand times more active in agglutinating blood group A1 cells versus A2 cells, and is used to distinguish these blood types in routine serology applications, and has potential applications in examining tumors which affect the levels of blood group substances. Reconstitute with sterile buffer. Calcium, manganese, magnesium, and zinc ions are required for binding.

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Form	Lyophilized
Molecular Mass	111 kDa
Purity	High Purity Grade
Applications	Recognition of A1>A2 blood types, Binds to rat macrophages in lung tissues, Histology
Storage	At -20 centigrade.
GENE INFORMATION	
Official Symbol	DBA
Synonyms	Dolichos biflorus Lectin; DBA

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