Native Horse gram Dolichos biflorus Lectin (DBA), HRP-Conjugated

Cat. No. DBA-353H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Horse gram Dolichos biflorus Lectin (DBA) - HRP (Horseradish Peroxidase) Blood Group Specificity: Non-specific 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. Horseradish peroxidase (HRP) is a 40 kDa protein

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	that catalyzes the oxidation of substrates by hydrogen peroxide, resulting in a colored or fluorescent product or release of light as a byproduct of the reaction. It is most commonly used for blotting, immunoassays and immunohistochemistry methods. Dolichos biflorus Lectin (DBA) is conjugated to HRP at an appropriate ratio to provide optimal staining characteristics.
Form	Liquid
Purity	High Purity Grade
Stability	Shelf Life: 1 year
Storage	At 2-8 centigrade.
Concentration	5 mg/mL

GENE INFORMATION

Official Symbol	DBA
Synonyms	Dolichos biflorus Lectin; DBA

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