

Maackia amurensis Lectin (MAA/MAL I) - Pure

Cat PL00176

Size 2 mg/5 mg

Sugar Specificity

Sia α 2-3Gal β 1-4GlcNAc

Description

Maackia amurensis lectin (MAA/MAL I) is a leukocyte lectin isolated from amurensis seeds and purified by affinity chromatography. MAA I can be used to detect N-chain glycans containing the trisugar Sia α 2-3Gal β 1-4GlcNAc. This lectin does not make people with one blood type more prone to agglutination than those with another, and agglutination can be inhibited by salivary lactose or higher concentrations of lactose. Although MAA I and MAA II are similar in size and structure, this lectin is a more potent mitogen and exhibits a lower blood clotting capacity than MAA II.

Abbreviation

MAA/MAL I

Material Source

Amur maackia

Conjugate

None

Purity

High Purity Grade

Shelf Life

2 years

Blood Group Specificity

Non-specific

Sugar Specificity

Sia α 2-3Gal β 1-4GlcNAc

Inhibiting or Eluting Sugar

Lactose

Divalent Ions

None Required

Mitogenic Activity

Yes

Format

Lyophilized

Storage

-20°C

Molecular Weight

130 kDa

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Hazardous Shipping

Non-hazardous

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