Native Amur maackia Maackia amurensis Lectin (MAA/MAL I), Ferritin-Conjugated

Cat. No. MAA/MAL I-272A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Amur maackia Maackia amurensis Lectin (MAA/MAL I) - Ferritin Blood Group Specificity: Non-specific Preferred Sugar Specificity: Siaα2-3Galβ1-4GlcNAc Inhibiting or Eluting Sugar: Lactose Divalent Ions: None Required Mitogenic Activity: Yes Hazardous Shipping: Non-hazardous
Species	Amur maackia
Source	Amur maackia
Description	Maackia amurensis Lectin (MAA/MAL I) is a leukoagglutinating lectin isolated from Maackia amurensis seeds and purified by affinity chromatography. This lectin does not agglutinate one blood type more than another and agglutination can be inhibited by sialyllactose or lactose at higher concentrations. Although MAA I and MAA II are similar in size and structure, this lectin is a more potent mitogen and exhibits less hemagglutinating ability than MAA II. Maackia amurensis Lectin (MAA/MAL I) is conjugated to ferritin, that has a molecular weight of 474,000 g/mol (all 24 subunits combined). Ferritin-conjugated lectins can be used to visualize localization of specific saccharide moieties and examine the distribution of plasma membrane glycoproteins. These conjugates can be viewed via electron microscopy.

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Form	Liquid
Purity	High Purity Grade
Stability	Shelf Life: 1 year
Storage	At -20 centigrade.
Concentration	1 mg/mL

GENE INFORMATION

Official Symbol	MAA/MAL I
Synonyms	Maackia amurensis Lectin; MAA/MAL I

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