Native Amur maackia Maackia amurensis Lectin (MAA/MAL II), Colloidal Gold-Conjugated

Cat. No. MAA/MAL II-121A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Amur maackia Maackia amurensis Lectin (MAA/MAL II) - Colloidal Gold Blood Group Specificity: Non-specific Preferred Sugar Specificity: Siaα2-3Galβ1-3GalNAc Inhibiting or Eluting Sugar: Human Glycophorin Divalent Ions: None Required Excitation: 550 nm Emission: 570 nm Mitogenic Activity: Yes Hazardous Shipping: Non-hazardous
Species	Amur maackia
Source	Amur maackia
Description	Purified MAL II is conjugated to colloidal gold. The surface of the colloidal gold particle displays both electrostatic and hydrophobic properties. For conjugation to gold sol, the electrostatic interactions must be reduced so that the hydrophobic interactions can succeed. The pH of the gold sol is adjusted to give the net charge of the protein zero, or slightly negative. This prevents the aggregation of the protein due to electrostatic attraction while maintaining the hydrophobic interactions. This product comes in a stabilized liquid form and is suitable for light and electron microscopy.
Form	Liquid

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Stability	Shelf Life: 1 year
Storage	At 2-8 centigrade.
Concentration	1 mg/mL

GENE INFORMATION

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

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