

Native Red Mulberry Morus rubra Lectin (MRL), Colloidal Gold-Conjugated

Cat. No. MRL-123R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Red Mulberry Morus rubra Lectin (MRL) - Colloidal Gold Blood Group Specificity: Non-specific Preferred Sugar Specificity: Galactose, N-Acetylgalactosamine Inhibiting or Eluting Sugar: Galactose Divalent Ions: None Required Excitation: 550 nm Emission: 570 nm Hazardous Shipping: Non-hazardous
Species	Red Mulberry
Source	Red Mulberry
Description	Purified MRL 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
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Storage	At -20 centigrade.
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Concentration	1 mg/mL
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GENE INFORMATION

Official Symbol	MRL
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Synonyms	Morus rubra Lectin; MRL
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