

Native Red Mulberry Morus rubra Lectin (MRL)

Cat. No. MRL-655R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Red Mulberry Morus rubra Lectin (MRL) - Semi-Pure Preferred Sugar Specificity: Galactose, N-Acetylgalactosamine Inhibiting or Eluting Sugar: Galactose Divalent Ions: None Required Hazardous Shipping: Non-hazardous
Species	Red Mulberry
Source	Red Mulberry
Description	Morus rubra lectin (MRL) is isolated from red mulberry was purified to homogeneity from the leaves by a single-step immobilized metal ion affinity chromatography (IMAC) procedure. The molecular weight of MRL is around 52,000 and has a specificity towards galactose, D-galactosamine and N-acetyl-D-galactosamine. MRL also has haemagglutination activity towards different erythrocyte blood groups. MRL has stability over a wide range of temperatures and an isoelectric point that ranges between pH 4 and pH 11. Lectin bonding with EDTA did not alter the haemagglutinating activity which demonstrates that metal ions are not required for activity.
Form	Powder
Storage	At -20 centigrade.

GENE INFORMATION

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Official Symbol	MRL
Synonyms	Morus rubra Lectin; MRL