Native Osage orange Maclura pomifera Lectin (MPL/MPA), Ferritin-Conjugated

Cat. No. MPL/MPA-275O **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Osage orange Maclura pomifera Lectin (MPL/MPA) - Ferritin Blood Group Specificity: Non-specific Preferred Sugar Specificity: Galβ3GalNAc Inhibiting or Eluting Sugar: Galactose Divalent Ions: None Required Mitogenic Activity: Yes Hazardous Shipping: Non-hazardous
Species	Osage orange
Source	Osage orange
Description	Maclura pomifera agglutinin or lectin (MPA/MPL) is tetrameric plant protein purified by fractionation. MPA has a molecular weight of about 44,000 and consists of four subunits. It has an isoelectric point between pH 4. 8 and pH 5. 3, and blood group specificity towards A, B, and O (-SA). It is also the central element in O-linked glycopeptide structures on other mammalian glycoproteins. Maclura pomifera Lectin (MPL/MPA) 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.
Form	Liquid

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

GENE INFORMATION

Official Symbol	MPL/MPA
Synonyms	Maclura pomifera Lectin; MPL/MPA

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