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

Cat. No. MPL/MPA-504O **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Osage orange Maclura pomifera Lectin (MPL/MPA) - TRITC (Rhodamine) Blood Group Specificity: Non-specific Preferred Sugar Specificity: Galβ3GalNAc Inhibiting or Eluting Sugar: Galactose Divalent Ions: None Required Excitation: 545-555 nm Emission: 570-580 nm Mitogenic Activity: Yes Hazardous Shipping: Non-hazardous Fluorescence: Orange
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 labeled with tetramethylrhodamine isothiocyanate (TRITC) and has an appropriate number of fluorochromes bound to provide the optimum staining characteristics for this lectin. TRITC is a bright orange or red-fluorescent dye with

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	excitation ideally suited to the 532-nm laser line. TRITC labeled MPL/MPA can be used for cellular imaging applications.
Form	Liquid
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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