

Native Asparagus pea Lotus tetragonolobus Lectin (LTL), Texas Red-Conjugated

Cat. No. LTL-548A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Asparagus pea Lotus tetragonolobus Lectin (LTL) - Texas Red Blood Group Specificity: Non-specific Preferred Sugar Specificity: α-Fucose Inhibiting or Eluting Sugar: L-Fucose Divalent Ions: Ca⁺⁺, Mn⁺⁺ Excitation: 595 nm Emission: 615 nm Mitogenic Activity: No Hazardous Shipping: Non-hazardous Fluorescence: Red
Species	Asparagus pea
Source	Asparagus pea
Description	Affinity purified Lotus tetragonolobus lectin (LTL) is isolated from lotus seeds and is composed of 240 amino acid residues. LTL is a glycoprotein consists of four subunits. LTL is a fucose-binding anti-H(O) lectin. Transitional cell carcinoma of the human urinary bladder tends to metastasize when it strongly expresses binding sites for LTL. Texas Red is a red-fluorescent dye and when bound to Lotus tetragonolobus Lectin (LTL) can show the binding pattern of this lectin in cellular imaging applications. There is very little overlap between the emission spectra of Texas Red and FITC making this combination ideal for dual-labeling experiments. Rhodamine dyes, such

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as Texas Red, are more photostable and less sensitive to pH change when compared to other dyes such as fluorescein.

Form	Liquid
Stability	Shelf Life: 1 year
Storage	At -20 centigrade.
Concentration	2 mg/mL

GENE INFORMATION

Official Symbol	LTL
Synonyms	Lotus tetragonolobus Lectin; LTL

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