

# Native Asparagus pea Lotus tetragonolobus Lectin (LTL), Ferritin-Conjugated

**Cat. No.** LTL-270A    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | <p>Native Asparagus pea Lotus tetragonolobus Lectin (LTL) - Ferritin</p> <p>Blood Group Specificity: Non-specific</p> <p>Preferred Sugar Specificity: <math>\alpha</math>-Fucose</p> <p>Inhibiting or Eluting Sugar: L-Fucose</p> <p>Divalent Ions: Ca<sup>++</sup>, Mn<sup>++</sup></p> <p>Mitogenic Activity: No</p> <p>Hazardous Shipping: Non-hazardous</p>                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Asparagus pea                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | Asparagus pea                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | <p>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. Lotus tetragonolobus Lectin (LTL) 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.</p> |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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|                  |                    |
|------------------|--------------------|
| <b>Stability</b> | Shelf Life: 1 year |
|------------------|--------------------|

|                |                    |
|----------------|--------------------|
| <b>Storage</b> | At -20 centigrade. |
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|                      |         |
|----------------------|---------|
| <b>Concentration</b> | 1 mg/mL |
|----------------------|---------|

## GENE INFORMATION

|                        |     |
|------------------------|-----|
| <b>Official Symbol</b> | LTL |
|------------------------|-----|

|                 |                                  |
|-----------------|----------------------------------|
| <b>Synonyms</b> | Lotus tetragonolobus Lectin; LTL |
|-----------------|----------------------------------|

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