# Native Spindle tree Euonymus europaeus Lectin (EEL/EEA), Texas Red-Conjugated

**Cat. No.** EEL/EEA-539S **Lot. No.** (See product label)

## SPECIFICATION

| | |
|---|---|
| **Product Overview** | Native Spindle tree Euonymus europaeus Lectin (EEL/EEA) - Texas Red<br>Blood Group Specificity: Non-specific<br>Preferred Sugar Specificity: Galα3Gal<br>Inhibiting or Eluting Sugar: Lactose<br>Divalent Ions: Ca++, Zn++<br>Excitation: 595 nm<br>Emission: 615 nm<br>Mitogenic Activity: Yes<br>Hazardous Shipping: Non-hazardous<br>Fluorescence: Red |
| **Species** | Spindle tree |
| **Source** | Spindle tree |
| **Description** | Affinity purified Euonymus europaeus lectin or agglutinin (EEL/EEA) is composed with most of the subunits that appear to consist of two chains linked by disulfide bonds. EEL consists of six closely related lectins (isoforms). EEL is identified for its erythrocyte agglutinating properties and specificity for blood groups B and H. It has a stronger binding of the H trisaccharide over the B trisaccharide, but has a general pattern of interacting with both B and H blood groups and α-mannose-terminated saccharides. EEL has a preferential recognition of terminal α-fucose residues in H and B blood group-related carbohydrates. This lectin binds to endothelial cells from |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|---|---|
| | human and non-human sources and recognizes carbohydrate structures on the surface of stimulated murine peritoneal lymphoid cells. Texas Red is a red-fluorescent dye and when bound to Euonymus europaeus Lectin (EEL/EEA) 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 as Texas Red, are more photostable and less sensitive to pH change when compared to other dyes such as fluorescein. |
| **Form** | Liquid |
| **Purity** | High Purity Grade |
| **Stability** | Shelf Life: 1 year |
| **Storage** | At -20 centigrade. |
| **Concentration** | 2 mg/mL |

## GENE INFORMATION

| | |
|---|---|
| **Official Symbol** | EEL/EEA |
| **Synonyms** | Euonymus europaeus Lectin; EEL/EEA |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA