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## Product Information

### ANTI-ULEX EUROPAEUS-I (UEA-I) LECTIN

Delipidized, Whole Antiserum

Developed in Rabbit

Product No. **U 4754**

#### Product Description

Anti-Ulex Europaeus-I (UEA-I) Lectin is developed in rabbit using purified Ulex Europaeus-I lectin from gorse seeds as the immunogen.

Anti-UEA-I Lectin is specific for UEA-I bound to vascular endothelium and squamous epithelium of human tonsil by indirect immunofluorescent staining. While erythrocytes may be stained, no other tonsillar elements are reactive with the antibody. Anti-UEA-I reacts with UEA-I bound to human endothelial cells of normal and neoplastic blood and lymphatic vessels. It also reacts with human epithelia such as in the colon, bronchus, epidermis, sweat gland ducts and hair follicles. Epithelia from other species may also react with the antibody.

Anti-Ulex Europaeus-I Lectin may be used for studies of vascular structures in formalin-fixed, paraffin-embedded tissue or frozen tissue preparations. The antibody may be useful in the detection of vascular tumors, the investigation of vascular invasion by tumor cells, for determination of UEA-I binding to normal, embryonal, dysplastic and neoplastic epithelia, and the study of storage diseases such as fucosidosis

Ulex Europaeus-I Lectin is a 46 kDa glycoprotein known to interact with  $\alpha$ -L fucosyl residues in oligosaccharides present on the membranes of human blood group O erythrocytes, human endothelial cells and a variety of human and animal epithelial cells.

#### Reagents

The antiserum has been treated to remove lipoproteins and is supplied as a liquid containing 0.1% sodium azide as a preservative.

#### Precautions

Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazards and safe handling practices.

#### Product Profile

Titer: Minimum 1:8

Using a double diffusion assay, in 1% agarose, 5  $\mu$ l of serially diluted antiserum is reacted against 5  $\mu$ g of purified UEA-I (well separation-7.5 mm center to center). Titer is equivalent to the highest dilution of antiserum resulting in a visible precipitate after 24 hours incubation.

A minimum working dilution of 1:500 was determined by indirect immuno-fluorescent labeling of UEA-I treated, formalin-fixed, paraffin-embedded sections of human tonsil.

In order to obtain best results, it is recommended that each individual user determine an optimum working dilution by titration assay.

#### Storage

For continuous use, store at 2-8 °C. For extended storage, solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. If slight turbidity occurs upon prolonged storage, clarify by centrifugation before use.

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