

## Native *Ulex europaeus* Lectin

**Cat. No.** Lectin-1717U    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	This product is the <i>Ulex europaeus</i> lectin which agglutinates fucose blood group H.
<b>Species</b>	<i>Ulex europaeus</i>
<b>Source</b>	<i>Ulex europaeus</i>
<b>Description</b>	The anti-H (O) hemagglutinating activity of <i>Ulex europaeus</i> has been used widely to confirm blood group O activity. UEA I binds to many glycoproteins and glycolipids containing $\alpha$ -linked fucose residue. The purified lectin appears to be a dimer of two distinct polypeptide chains associated by noncovalent forces. This lectin does not react with Lea active blood group substance. The native protein has pI=6.0-6.1 and exhibits a Molecular weight 60,000-68,000 during gel filtration on Sephadex column. This lectin will hemagglutinate fresh blood group O cells at 2-5 $\mu$ g/ml. Inhibiting/Eluting sugars: 50-100 mM L-fucose Carbohydrate-Binding Specificity of UEA I: L-Fuc $\alpha$ 1,2Gal $\beta$ 1,4GlcNAc $\beta$ 1,6R
<b>Form</b>	10 mM phosphate, 150 mM NaCl, pH 7.6, 0.1 mM Calcium chloride and 0.05% sodium azide
<b>Applications</b>	Conjugation, Purification Conjugation to Sepharose 4B (solid phase columns) to purify blood group glycoproteins. For conjugation azide should be removed. Dilute in buffer containing 0.1 mM calcium chloride. The optimum dilution should be determined by the individual lab.

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**Storage** Store at 2-8centigrade.

**Concentration** 2 mg/ml (Please refer to the vial label for the specific concentration)

## GENE INFORMATION

**Synonyms** UAE, Ulex europaeus, UAE I Lectin, Fucose lectin, UAE I, Ulex europaeus lectin, UAE Lectin

**UniProt ID** [P22972](#)

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