Native Ulex europaeus Lectin

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

SPECIFICATION

Product Overview	This product is the ulex europaeus lectin which againsts fucose blood group H.
Species	Ulex europaeus
Source	Ulex europaeus
Description	The anti-H (O) hemagglutinating activity of Ulex europaeus has been used widely to c onfirm blood group O activity. UEA I binds to many glycoproteins and glycolipids cont aining α –linked fucose residue. The purified lectin appears to be a dimer of two distin ct polypeptide chains associated by noncovalent forces. This lectin does not react wit h 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 2-5μg/ml.Inhibiting/Eluting sugars: 5 0-100 mM L-fucoseCarbohydrate-Binding Specificity of UEA I: L-Fuα1,2Galβ1,4GlcN Acβ1,6R
Form	10 mM phosphate, 150 mM NaCl, pH 7.6, 0.1 mM Calcium chloride and 0.05% sodium azide
Applications	Conjugation, Puri. 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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