

Native Ulex europaeus Lectin, FITC conjugated

Cat. No. Lectin-1715U Lot. No. (See product label)

SPECIFICATION

Product Overview	This product is the ulex europaeus lectin which agansts fucose blood group H. Affinity purified UEA I is conjugated with Fluorescein-5- isothiocyanate (FITC-isomer 1) and purified on Gel filtration column. A max. = 490 nm, E max =520 nm, Ratio of A490/A280= 1.0-1.4.
Species	Ulex europaeus
Source	Ulex europaeus
Description	The anti-H (O) hemagglutinating activity of Ulex europaeus has been used widely to confirm blood group O activity. UEA I binds to many glycoproteins and glycolipids containing α -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 μ g/ml. Inhibiting/Eluting sugars: 50-100 mM L-fucose Carbohydrate-Binding Specificity of UEA I: L-Fuc α 1,2Gal β 1,4GlcNAc β 1,6R
Form	10 mM phosphate, 150 mM NaCl, pH 7.6, 0.1 mM Calcium chloride and 0.05% sodium azide.
Applications	ICC/IF. Immunofluorescence 1:50-1:200. The optimum dilution should be determined by the

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individual lab.

Storage

Store at 2-8centigrade.

Concentration

1 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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