

## **UEA I Lectin (FITC)**

## Cat. No. GTX01512

Applications	ICC/IF	References (12)
Species	Ulex europaeus	Package 500 μg

		CT

**Summary** 

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  $\alpha$  –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.

## **Applications**

**Product Note** Fucose blood group H

Properties		
Form	Liquid	
Buffer	10mM Phosphate, 150mM NaCl, 0.1mM CaCl₂	
Preservative	0.05% Sodium azide	
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C.	
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)	
Region/Sequence	Native Protein	
Expression System	Native Protein	
Purification	Purified from Ulex europaeus	
Conjugation	Fluorescein isothiocyanate (FITC) <u>Wavelength</u> Absorption: 490 nm; Emission: 520 nm. Ratio: 1.0-1.4 molecules FITC (isomer 1) per Lectin molecule.	
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.	
	Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.	



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