

Product Information

Ulex Europaeus Agglutinin I (UEA I)

See [product page](#) for a full list of product names, unit sizes, and catalog numbers.

Storage and Handling

Store at 4°C, protected from light. Product is stable for at least 12 months from date of receipt when stored as recommended.

Conjugate Composition

Supplied at 1 mg/mL in 10 mM HEPES pH 7.5, 0.15 M NaCl, 0.08% sodium azide, 0.1 mM CaCl₂.

Product Technical Information

See [product page](#) for spectral properties and other dye-specific technical information. See our [Spectra Viewer](#) to view and download the dye excitation and emission spectra.

Product Description

Ulex europaeus agglutinin I (UEA I) binds to many glycoproteins and glycolipids containing α -linked fucose residues, such as ABO blood group glycoconjugates. UEA I interacts specifically with blood group H type 2 antigen, which is expressed in individuals with type O blood and, to a lesser degree, in individuals with type A or B blood. This lectin is an established marker for human endothelial cells and has been used to differentiate between angiosarcomas and epithelial tumors. UEA I is also a marker for incompletely differentiated gastrin cells. Please note that CF® Dye UEA I conjugates are formulated with sodium azide and are not suitable for use *in vivo* or in live cell culture.

Biotium's next-generation fluorescent CF® Dyes offer advantages in brightness and photostability compared to other fluorescent dyes. We also offer a variety of lectin conjugates, including *Datura stramonium* Lectin (DSL), *Lycopersicon esculentum* (Tomato) Lectin (LEL, TL), *Phaseolus vulgaris* Leucoagglutinin (PHA-L), *Sambucus nigra* Lectin (SNA, EBL), and PNA Lectin (*Arachis hypogaea*) CF® Dye conjugates.

Experimental Protocols

UEA I conjugate applications are reported in published literature. We recommend consulting the literature to find a protocol that will be suitable for your application. For immunofluorescence of tissue sections, we recommend staining with 5 μ g/mL lectin conjugate in PBS for 15 minutes, followed by washing in PBS as a starting point for optimization.

Related Products

Cat. No.	Product
00070... 29127	Cholera Toxin Subunit B CF® Dye Conjugates
29015... 29136	CF® Dye Concanavalin A (Con A)
29060... 29137	CF® Dye PNA Lectin (<i>Arachis hypogaea</i>)
29021... 29128	Wheat Germ Agglutinin (WGA) Conjugates
29102... 29132	<i>Lycopersicon Esculentum</i> (Tomato) Lectin (LEL, TL) Conjugates
29096... 29131	<i>Datura Stramonium</i> Lectin (DSL) Conjugates
29114... 29134	<i>Phaseolus Vulgaris</i> Leucoagglutinin (PHA-L) Conjugates
29120... 29135	<i>Sambucus Nigra</i> Lectin (SNA, EBL) Conjugates
29030... 29129	Streptavidin Conjugates
40083... 41040	NucSpot® Nuclear Stains
40081-40082	NucSpot® Live Nuclear Stains for live or fixed cells
40060	RedDot™1 Far-Red Nuclear Stain for live cells
40061	RedDot™2 Far-Red Nuclear Stain for dead or fixed cells
30131-30135	CytoLiner™ Fixed Cell Membrane Stains
30021-30024	CellBrite® Cytoplasmic Membrane Dyes
30088-30090	CellBrite® Fix Membrane Stains
30105-30109	CellBrite® Steady Membrane Staining Kits
30092-30104	MemBrite® Fix Cell Surface Staining Kits
29067	Calcofluor White
40043	DAPI, 10 mg/mL in Water
40046	Hoechst 33342, 10 mg/mL in Water
30015	DAB Substrate Kit
92170... 96124	CF® Dye Tyramides
22027	Ready-to-Use Tyramide Amplification Buffer
22016	Permeabilization Buffer
22023	Paraformaldehyde, 4% in PBS, Ready-to-Use Fixative

Please visit our website at www.biotium.com for information on our life science research products, including environmentally friendly EvaGreen® qPCR master mixes, fluorescent CF® Dye antibody conjugates and reactive dyes, apoptosis reagents, fluorescent probes, and kits for cell biology research.

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