



# ULEX EUROPAEUS AGGLUTININ I (UEA I), BIOTINYLATED

**SKU:** B-1065-2



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## DESCRIPTION

*Ulex europaeus* agglutinin I binds to many glycoproteins and glycolipids containing  $\alpha$ -linked fucose residues, such as ABO blood group glycoconjugates. This lectin preferentially binds blood group O cells and has been used to determine secretor status. It has been established as an excellent marker for human endothelial cells.

Biotinylated *Ulex europaeus* agglutinin has an appropriate number of biotins bound to provide the optimum staining characteristics for this lectin. This conjugate is supplied essentially free of unconjugated biotins and is preserved with sodium azide.

## SPECIFICATIONS

<b>Molecular Weight</b>	63
<b>Extinction Coefficient</b>	1.3

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<b>Formulation</b>	10 mM HEPES, pH 7.5, 0.15 M NaCl, 0.1 mM CaCl <sub>2</sub> , 0.08% sodium azide.
<b>Inhibiting or Eluting Sugar</b>	L-Fucose
<b>Unit Size</b>	2 mg
<b>Storage Instructions</b>	2-8 °C; Store frozen for long term storage
<b>Sugar Specificity</b>	α1,2-linked fucose
<b>Usage Summary</b>	For most applications we recommend a freshly prepared working solution of 5-20 µg/ml in the below buffer.
<b>Applications</b>	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Elispot, ELISAs, Glycobiology
<b>Concentration</b>	2 mg active conjugate/ml
<b>Conjugate</b>	Biotinylated

## TECHNICAL INFORMATION

This biotinylated lectin is an ideal intermediate for examining glycoconjugates using the Biotin-Avidin/Streptavidin System. First the biotinylated lectin is added, followed by the VECTASTAIN ABC Reagent, Avidin D conjugate, or streptavidin derivative.

Inhibiting/Eluting Sugar: 50 mM – 100 mM L-fucose

## CITATIONS



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## DOCUMENTS

- [Safety Data Sheet](#)
- [Lectins in Histochemistry, ELISA, and Western Blot Applications](#)
- [Download CoA](#)
- [Datasheet](#)

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## GALLERY IMAGES



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