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ALEURIA AURANTIA LECTIN (AAL), BIOTINYLATED

SKU: B-1395-1



DESCRIPTION

Unlike *Ulex europaeus* and *Lotus tetragonolobus* lectins which prefer (α -1,2) linked fucose residues, *Aleuria aurantia* lectin binds preferentially to fucose linked (α -1,6) to *N*-acetylglucosamine or to fucose linked (α -1,3) to *N*-acetyllactosamine related structures. AAL also reversibly binds fucose attached to nucleic acids.

Biotinylated *Aleuria Aurantia* Lectin 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

Molecular Weight	72
Extinction Coefficient	2.97

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Formulation	10 mM HEPES, pH 7.5, 0.15 M NaCl, 0.08% sodium azide
Inhibiting or Eluting Sugar	L-Fucose
Unit Size	1 mg
Storage Instructions	2-8 °C; Store frozen for long term storage
Sugar Specificity	α-linked fucose
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Elispot, ELISAs, Glycobiology
Concentration	2 mg active conjugate/ml
Conjugate	Biotinylated

TECHNICAL INFORMATION

This lectin is a dimer of two identical subunits of about 36 kDa each.

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: 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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