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Produktinformation



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Information

Datura Stramonium Lectin (DSL)

Product List

| Cat. No. | Conjugate | Ex/Em (nm) |
|----------|-----------|------------|
| 29097 | CF@488A | 490/516 |
| 29098 | CF@568 | 562/584 |
| 29099 | CF@594 | 593/615 |
| 29100 | CF@640R | 642/663 |
| 29101 | CF@680 | 681/698 |
| 29096 | Biotin | N/A |

Unit Size: 1 mL

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.

Product Description

Datura Stramonium Lectin (DSL)'s binding site recognizes (beta-1,4) linked N-acetylglucosamine oligomers, preferring chitobiose or chitotriose over a single N-acetylglucosamine residue. DSL also binds well to N-acetyllactosamine and oligomers containing repeating N-acetyllactosamine sequences. This lectin binds well in the acidic pH range, but its affinity decreases above pH 8.0.

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 *Lycopersicon esculentum* (Tomato) Lectin (LEL, TL), *Ulex europaeus* Agglutinin I (UEA I), *Phaseolus vulgaris* Leucoagglutinin (PHA-L), and PNA Lectin (*Arachis hypogaea*) CF@ Dye conjugates.

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.

Experimental Protocol

DSL 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 ug/mL lectin conjugate in PBS for 15 minutes, followed by washing in PBS as a starting point for optimization.

Related Products

| Cat. No. | Product |
|---------------|--|
| 00070-00079 | Cholera Toxin Subunit B CF@ Dye Conjugates |
| 29015...29080 | CF@ Dye Concanavalin A (Con A) |
| 29030-29086 | Streptavidin Conjugates |
| 29060-29063 | CF@ Dye PNA Lectin (<i>Arachis hypogaea</i>) |
| 29102-29107 | <i>Lycopersicon Esculentum</i> (Tomato) Lectin (LEL, TL) |
| 29021-29076 | Wheat Germ Agglutinin (WGA) Conjugates |
| 29108-29113 | <i>Ulex Europaeus</i> Agglutinin I (UEA I) |
| 29114-29119 | <i>Phaseolus Vulgaris</i> Leucoagglutinin (PHA-L) |
| 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 |
| 92170-96066 | 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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