

Native *Bandeiraea Griffonia simplicifolia* Lectin (GSL II), Texas Red-Conjugated

Cat. No. GSL II-544B **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Native *Bandeiraea Griffonia simplicifolia* Lectin (GSL II) - Texas Red

Blood Group Specificity: Non-specific

Preferred Sugar Specificity: α -N-Acetylglucosamine, β -N-Acetylglucosamine

Inhibiting or Eluting Sugar: Chitin Hydrolysate or N-Acetylglucosamine

Divalent Ions: Ca⁺⁺, Mn⁺⁺

Excitation: 595 nm

Emission: 615 nm

Mitogenic Activity: No

Hazardous Shipping: Non-hazardous

Fluorescence: Red

Species *Bandeiraea*

Source *Bandeiraea*

Description

GSL II is affinity purified tetramer that contains a single type of 30 kDa subunit. It has insecticidal structure/function, the first GlcNAc binding legume lectin proven to have insecticidal activity. Increasing the number of N-acetylglucosamine residues beyond two does not improve affinity. This lectin shows specificity for blood group A(-SA) greater than blood group B(-SA). Texas Red is a red-fluorescent dye and when bound to *Griffonia simplicifolia* Lectin (GSL II) can show the binding pattern of this lectin in cellular imaging applications. There is very little overlap between the emission spectra of Texas Red and FITC making this combination ideal for dual-labeling experiments.

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Rhodamine dyes, such as Texas Red, are more photostable and less sensitive to pH change when compared to other dyes such as fluorescein.

Form	Liquid
Stability	Shelf Life: 1 year
Storage	At -20 centigrade.
Concentration	2 mg/mL

GENE INFORMATION

Official Symbol	GSL II
Synonyms	Griffonia simplicifolia Lectin; GSL II

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