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

Cat. No. GSL I-542B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Bandeiraea Griffonia simplicifolia Lectin (GSL I) - Texas Red Blood Group Specificity: Non-specific Preferred Sugar Specificity: α-Galactose, α-N-Acetylgalactosamine Inhibiting or Eluting Sugar: Galactose, N-Acetylgalactosamine Divalent Ions: Ca++, Mn++ Excitation: 595 nm Emission: 615 nm Mitogenic Activity: No Hazardous Shipping: Non-hazardous Fluorescence: Red
Species	Bandeiraea
Source	Bandeiraea
Description	Griffonia simplicifolia lectin (GSL I) is affinity purified from a woody climbing shrub native to Africa. GSL I is composed of two types of subunits A and B that combine to form tetrameric structures, resulting in five isolectins. This lectin shows specificity for blood group B greater than blood group A1. GSL I has been reported to bind several glycoproteins including laminin. Texas Red is a red-fluorescent dye and when bound to Griffonia simplicifolia Lectin (GSL I) 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 I
Synonyms	Griffonia simplicifolia Lectin; GSL I

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