



# **GRIFFONIA (BANDEIRAEA) SIMPLICIFOLIA LECTIN I (GSL I, BSL I), RHODAMINE**

**SKU:** RL-1102-2



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## **DESCRIPTION**

GSL I is a family of glycoproteins with molecular weights of approximately 114 kDa. There are two types of subunits, termed “A” and “B”, with slightly different molecular weights. These subunits combine to form tetrameric structures, resulting in five isolectins. The “A”-rich lectin preferentially agglutinates blood group A erythrocytes and thus appears to be specific for  $\alpha$ -N-acetylgalactosamine residues, while the “B”-rich lectin preferentially agglutinates blood group B cells and is specific for  $\alpha$ -galactose residues. Our GSL I is a mixture of the five isolectins. GSL I has been reported to bind several glycoproteins including laminin.

Rhodamine labeled GSL I has an appropriate number of fluorochromes bound to provide the optimum staining characteristics for this lectin. This conjugate is supplied essentially free of unconjugated fluorochromes. The excitation maximum is at 550 nm and the emission maximum is at 575 nm.

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## SPECIFICATIONS

<b>Molecular Weight</b>	114
<b>Color of Fluorescence</b>	Red
<b>Extinction Coefficient</b>	1.4
<b>Formulation</b>	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM CaCl <sub>2</sub>
<b>Inhibiting or Eluting Sugar</b>	Raffinose
<b>Maximum Emission</b>	570-580 nm
<b>Maximum Excitation</b>	545-555 nm
<b>Unit Size</b>	2 mg
<b>Storage Instructions</b>	2-8 °C
<b>Sugar Specificity</b>	Terminal αGal and terminal αGalNAc
<b>Usage Summary</b>	The recommended concentration range for use is 5-20 µg/ml.
<b>Applications</b>	Immunofluorescence, Glycobiology
<b>Concentration</b>	2 mg active conjugate/ml
<b>Conjugate</b>	Rhodamine

## TECHNICAL INFORMATION

Accompanying each fluorescent lectin is an analysis data sheet summarizing the results of our quality control tests and providing pertinent information on the product. All of these reagents are supplied as solutions preserved with sodium azide.

Inhibiting/Eluting Sugar: mixture of 200 mM galactose/200 mM *N*-acetylgalactosamine

## CITATIONS



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## DOCUMENTS

- [Safety Data Sheet](#)
- [Download CoA](#)
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## GALLERY IMAGES



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