

# Native *Bandeiraea Griffonia simplicifolia* Lectin (GSL I), TRITC-Conjugated

**Cat. No.** GSL I-493B    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**

Native *Bandeiraea Griffonia simplicifolia* Lectin (GSL I) - TRITC (Rhodamine)  
 Blood Group Specificity: Non-specific  
 Preferred Sugar Specificity:  $\alpha$ -Galactose,  $\alpha$ -N-Acetylgalactosamine  
 Inhibiting or Eluting Sugar: Galactose, N-Acetylgalactosamine  
 Divalent Ions: Ca<sup>++</sup>, Mn<sup>++</sup>  
 Excitation: 545-555 nm  
 Emission: 570-580 nm  
 Mitogenic Activity: No  
 Hazardous Shipping: Non-hazardous  
 Fluorescence: Orange

**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. *Griffonia simplicifolia* Lectin (GSL I) is labeled with tetramethylrhodamine isothiocyanate (TRITC) and has an appropriate number of fluorochromes bound to provide the optimum staining characteristics for this lectin. TRITC is a bright orange or red-fluorescent dye with excitation ideally suited to the

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 45-1 Ramsey Road, Shirley, NY 11967, USA

532-nm laser line. TRITC labeled GSL I can be used for cellular imaging applications.

|             |        |
|-------------|--------|
| <b>Form</b> | Liquid |
|-------------|--------|

|                  |                    |
|------------------|--------------------|
| <b>Stability</b> | Shelf Life: 1 year |
|------------------|--------------------|

|                |                    |
|----------------|--------------------|
| <b>Storage</b> | At -20 centigrade. |
|----------------|--------------------|

|                      |         |
|----------------------|---------|
| <b>Concentration</b> | 2 mg/mL |
|----------------------|---------|

## GENE INFORMATION

|                        |       |
|------------------------|-------|
| <b>Official Symbol</b> | GSL I |
|------------------------|-------|

|                 |                                       |
|-----------------|---------------------------------------|
| <b>Synonyms</b> | Griffonia simplicifolia Lectin; GSL I |
|-----------------|---------------------------------------|

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