

## Active Native Griffonia Simplicifolia Lectin I Protein, Fluorescein labeled

**Cat. No.** Lectin-1780G    **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview**      This product is the Fluorescein labeled Griffonia (Bandeiraea) Simplicifolia Lectin I and has sugar specificity against Galactose, N-Acetylgalactosamine. The excitation maximum is at 495 nm and the emission maximum is at 515 nm.

**Species**      Griffonia Simplicifolia

**Source**      Griffonia Simplicifolia

**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. This GSL I is a mixture of the five isolectins. GSL I has been reported to bind several glycoproteins including laminin.

**Form**      10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM Ca<sup>2+</sup>

**Bio-activity**      Inhibiting/Eluting Sugar: mixture of 200 mM galactose/200 mM N-acetylgalactosamine.  
Carbohydrate-Binding Specificity: Galactose, N-Acetylgalactosamine.

**Molecular Mass**      114 kDa

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<b>Applications</b>	Immunofluorescence, Glycobiology
<b>Usage</b>	The recommended concentration range for use is 5-20 µg/ml.
<b>Storage</b>	Refrigerate in the dark
<b>Concentration</b>	2 mg/ml
<b>GENE INFORMATION</b>	
<b>Synonyms</b>	Lectin; GSL I; BSL I
<b>UniProt ID</b>	<a href="#">Q8W1R6</a>

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