

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

Cat. No. GSL I-265B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native <i>Bandeiraea Griffonia simplicifolia</i> Lectin (GSL I) - Ferritin Blood Group Specificity: Non-specific Preferred Sugar Specificity: α-Galactose, α-N-Acetylgalactosamine Inhibiting or Eluting Sugar: Galactose, N-Acetylgalactosamine Divalent Ions: Ca^{++}, Mn^{++} Mitogenic Activity: No Hazardous Shipping: Non-hazardous
Species	<i>Bandeiraea</i>
Source	<i>Bandeiraea</i>
Description	<i>Griffonia simplicifolia</i> 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. <i>Griffonia simplicifolia</i> Lectin (GSL I) is conjugated to ferritin, that has a molecular weight of 474,000 g/mol (all 24 subunits combined). Ferritin-conjugated lectins can be used to visualize localization of specific saccharide moieties and examine the distribution of plasma membrane glycoproteins. These conjugates can be viewed via electron microscopy.
Form	Liquid

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Stability	Shelf Life: 1 year
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Storage	At -20 centigrade.
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Concentration	1 mg/mL
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GENE INFORMATION

Official Symbol	GSL I
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Synonyms	Griffonia simplicifolia Lectin; GSL I
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