

Active Native Griffonia Simplicifolia Lectin I Protein

Cat. No. Lectin-1781G Lot. No. (See product label)

SPECIFICATION

Product Overview	This product is the unconjugated Griffonia (Bandeiraea) Simplicifolia Lectin I and has sugar specificity against Galactose, N-Acetylgalactosamine.
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 α -N-acetylgalactosamine residues, while the B -rich lectin preferentially agglutinates blood group B cells and is specific for α -galactose residues. This GSL I is a mixture of the five isolectins. GSL I has been reported to bind several glycoproteins including laminin.
Bio-activity	Inhibiting/Eluting Sugar: mixture of 200 mM galactose/200 mM N-acetylgalactosamine. Carbohydrate-Binding Specificity: Galactose, N-Acetylgalactosamine.
Molecular Mass	114 kDa
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Glycobiology

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Storage	Refrigerate in the dark
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Reconstitution	Although many buffers can be employed for reconstituting and diluting this lectin, we recommend 10 mM HEPES buffered saline, pH 8.5, 0.1 mM Ca ²⁺ . For preserving solutions stored at 4 centigrade, add 0.08% sodium azide to the buffer.
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GENE INFORMATION

Synonyms	Lectin; GSL I; BSL I
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UniProt ID	Q8W1R6
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