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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Refrigerate in the dark
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 Ca2+. For preserving solutions stored at 4 centigrade, add 0.08% sodium azide to the buffer.

GENE INFORMATION

Synonyms	Lectin; GSL I; BSL I
UniProt ID	Q8W1R6

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA