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 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.
Form	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM Ca2+
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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Applications	Immunofluorescence, Glycobiology
Usage	The recommended concentration range for use is 5-20 g/ml.
Storage	Refrigerate in the dark
Concentration	2 mg/ml

GENE INFORMATION

Synonyms	Lectin; GSL I; BSL I
UniProt ID	Q8W1R6

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