

Product Datasheet

Griffonia Simplicifolia Lectin I (GSL I) Isolectin B4 Protein B-1205-NB

Unit Size: 0.5 mg

Store at 4C in the dark.

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Updated 10/23/2024 v.20.1

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B-1205-NB**Griffonia Simplicifolia Lectin I (GSL I) Isolectin B4 Protein**

Product Information	
Unit Size	0.5 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Preservative	0.08% Sodium Azide
Conjugate	Biotin
Purity	Affinity purified
Buffer	10 mM HEPES (pH 7.5), 0.15 M NaCl, 0.1 mM CaCl ₂
Target Molecular Weight	114 kDa

Product Description	
Description	<p>A biologically active protein corresponding to Griffonia Simplicifolia Lectin I (GSL I) Isolectin B4.</p> <p>Source: <i>Griffonia (Bandeiraea) simplicifolia</i> seeds</p> <p>GSL I-B4 isolectin contains only the B subunits. It is a useful marker for endothelial cells from nonprimates such as mouse, rat, rabbit, and goat as well as a marker for non-peptidergic unmyelinated primary afferent neurons. This "B"-rich lectin preferentially agglutinates blood group B cells and is specific for α-galactose residues.</p> <p>Biotinylated GSL I-B4 has an appropriate number of biotins bound to provide the optimum staining characteristics for this lectin. This conjugate is supplied essentially free of unconjugated biotins and is preserved with sodium azide. Specific for galactose.</p>
Species	Plant
Details of Functionality	This "B"-rich lectin preferentially agglutinates blood group B cells and is specific for α-galactose residues.
Notes	This product is manufactured by Vector Laboratories and distributed by Novus Biologicals.

Product Application Details	
Applications	Western Blot, Dot Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Bioactivity, Enzyme-linked Immunosorbent Spot
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Dot Blot, Enzyme-linked Immunosorbent Spot, Bioactivity
Application Notes	For most applications, a freshly prepared working solution of 5 - 20 ug/mL in the buffer mentioned below is recommended.



Images

Griffonia Simplicifolia Lectin I (GSL I) Isolectin B4 Native Protein [B-1205-NB] - Griffonia Simplicifolia Lectin I (GSL I) Isolectin B4, Biotinylated



Publications

Sen T, Cawthon CR, Ihde B, et al. Diet-driven microbiota dysbiosis is associated with vagal remodeling and obesity. *Physiol Behav.* [PMID: 28249783] (IF, Rat)



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Products Related to B-1205-NB

L-1104-NB	Griffonia Simplicifolia Lectin I (GSL I) Isolectin B4 Native Protein
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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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