Isolectin B_4 (Bandeiraea simplicifolia), (FITC conjugate)

BS-I is a tetrameric lectin consisting of two types of subunits designated A and B. There are five BS-I isolectins with different subunit composition: BSI-B_4, BSI-AB_3, BSI-A_2B_2, BSI-A_3B and BSI-A_4. BSI-B_4 is blood group B specific and has an exclusive affinity for terminal α-D-galactosyl residues, whereas BSI-A_4 has blood group A specificity and has a major affinity for terminal N-acetyl-α-D-galactosaminyl residues.

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Ordering Information

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ALX-650-001F-MC05	FITC - 0.5mg

Manuals, SDS & CofA

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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Prepare fresh dilutions prior to each application.
Handling	Protect from light.
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Activity	Agglutinates blood group B glutaraldehyde-fixed human red blood cells at a concentration of ~2µg/ml. No agglutination of blood group A, glutaraldehyde-fixed human red blood cells occurred at concentrations up to ~100µg/ml.
Alternative Name	Isolectin B4 (Griffonia simplicifolia), BSI-B4
Concentration	1mg/ml
Formulation	Liquid. In 10mM HEPES, pH 7.5, containing 0.15M sodium chloride, 0.08% sodium azide and 0.1mM CaCl2.
Quality Control	Free Fluorescein F/P (molar) Active Conjugate
Source	Isolated from *Griffonia (Bandeiraea) simplicifolia* seeds.
Specificity	Binds to α-(1,3) galactosyl galactoside epitopes.

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