



Erythrina Cristagalli Lectin (ECL, ECA), Fluorescein

FL-1141-5

[Product Images](#)



Short Description

Erythrina cristagalli lectin (ECL) has been reported to be useful for the isolation of human natural killer (NK) cells using a negative selection panning technique (protocol available upon request or on our website). Human NK cells appear to lack accessible surface carbohydrate structures required for binding ECL and, unlike other mononuclear cells, do not adhere to ECL-coated culture dishes. Since this procedure involves a negative selection panning technique, a high recovery of viable NK cells can be obtained. The adherent cells can also be recovered by incubation in galactose or lactose.

Fluorescein labeled *Erythrina cristagalli* lectin has an appropriate number of fluorochromes bound to provide the optimum staining characteristics for this lectin. This conjugate is supplied essentially free of unconjugated fluorochromes. The excitation maximum is at 495 nm and the emission maximum is at 515 nm.

Additional Information

Unit Size	5 mg
Applications	Immunofluorescence, Glycobiology
Recommended Usage	The recommended concentration range for use is 5-20 µg/ml.
Recommended Storage	2-8°C
Maximum Excitation	495-500 nm
Inhibiting and/or Eluting Sugar	200 mM lactose (S-9004)
Maximum Emission	514-521 nm
Solution	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM CaCl ₂
Concentration	5 mg active conjugate/ml
Conjugate	Fluorescein
Color of Fluorescence	Green
Sugar Specificity	Galactose, N-Acetylgalactosamine, Lactose

