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ERYTHRINA CRISTAGALLI LECTIN (ECL, ECA), UNCONJUGATED

SKU: L-1140-10



DESCRIPTION

The carbohydrate structure to which ECL binds is frequently found in membrane and serum glycoproteins of mammalian origin. Sialic acid substitution on this structure appears to prevent the lectin from binding. This specificity offers an opportunity to utilize agarose bound ECL to isolate or fractionate mammalian glycoproteins.

This lectin 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.

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SPECIFICATIONS

Molecular Weight	54
Extinction Coefficient	1.3
Inhibiting or Eluting Sugar	Lactose
Unit Size	10 mg
Storage Instructions	2-8 °C
Sugar Specificity	Terminal type 2 LacNAc, and terminal type 2 LacdiNAc
Usage Summary	Although many buffers can be employed for reconstituting and diluting this lectin, 10 mM HEPES buffered saline, pH 8.5, 0.1 mM CaCl2is recommended. For preserving solutions, stored at 4 ºC, 0.08% sodium azide can be used.
Applications	Glycobiology, Mitogenic Stimulation
Conjugate	Unconjugated

TECHNICAL INFORMATION

Erythrina cristagalli lectin consists of two different subunits of approximately 28 kDa and 26 kDa.

Inhibiting/Eluting Sugar: 200 mM lactose

CITATIONS

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DOCUMENTS

- User Guide
- Lectins in Histochemistry, ELISA, and Western Blot Applications
- Safety Data Sheet
- Download CoA

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- Datasheet

GALLERY IMAGES



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