

# Active Native Erythrina Cristagalli Lectin Protein, Biotinylated

**Cat. No.** Lectin-1773E    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | This product is the Biotinylated Erythrina Cristagalli Lectin and has sugar specificity to Galactose, N-Acetylgalactosamine, and Lactose.                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Erythrina cristagalli                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Erythrina cristagalli                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | Erythrina cristagalli lectin consists of two different subunits of approximately 28 kDa and 26 kDa. 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. |
| <b>Form</b>             | 10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.1 mM Ca <sup>2+</sup> , 0.08% sodium azide.                                                                                                                                                                                                                                                                                                                                                              |
| <b>Bio-activity</b>     | Inhibiting/Eluting Sugar: 200 mM lactose                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | 54 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>     | Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Elispot, ELISAs, Glycobiology                                                                                                                                                                                                                                                                                                                         |
| <b>Usage</b>            | For most applications we recommend a freshly prepared working solution of 5-20 g/ml.                                                                                                                                                                                                                                                                                                                                                         |

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|----------------|------------------------------------------------------------------------------------|
| <b>Storage</b> | Refrigerate; for long term storage, aliquots may be stored frozen. or refrigerated |
|----------------|------------------------------------------------------------------------------------|

|                      |         |
|----------------------|---------|
| <b>Concentration</b> | 5 mg/ml |
|----------------------|---------|

## GENE INFORMATION

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|-----------------|------------------|
| <b>Synonyms</b> | Lectin; ECL; ECA |
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|-------------------|------------------------|
| <b>UniProt ID</b> | <a href="#">P83410</a> |
|-------------------|------------------------|

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