

# Native Lent lily *Narcissus pseudonarcissus* Lectin (NPL)

**Cat. No.** NPL-659L    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Product Overview</b> | <p>Native Lent lily <i>Narcissus pseudonarcissus</i> Lectin (NPL/NPA) - Pure</p> <p>Blood Group Specificity: Rabbit</p> <p>Preferred Sugar Specificity: <math>\alpha</math>-Mannose</p> <p>Inhibiting or Eluting Sugar: <math>\alpha</math>-Methylmannoside</p> <p>Divalent Ions: None Required</p> <p>Mitogenic Activity: No</p> <p>Hazardous Shipping: Non-hazardous</p>                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Lent lily                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | Lent lily                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | <p><i>Narcissus pseudonarcissus</i> lectin or agglutinin (NPL/NPA) is affinity purified composed of four subunits. It agglutinates rabbit erythrocytes but is non-reactive with human erythrocytes. NPA has an isoelectric point between pH 4.2 and pH 4.6 although studies have suggested that the purified lectin may have greater affinity for internal mannosyl residues than for nonreducing terminal units Human studies have found NPA to be nearly non-mitogenic, but it has been reported through an in vitro study that mitogenicity of NPA is age-related, with lymphoproliferative response of peripheral blood mononuclear cells (PBMC) in umbilical cord blood has a sevenfold increase than adult blood. NPA has also been found to be mitogenic for PBMC from lambs and not adult sheep.</p> |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |        |
|-----------------------|--------|
| <b>Molecular Mass</b> | 59 kDa |
|-----------------------|--------|

|               |                   |
|---------------|-------------------|
| <b>Purity</b> | High Purity Grade |
|---------------|-------------------|

|                |                    |
|----------------|--------------------|
| <b>Storage</b> | At -20 centigrade. |
|----------------|--------------------|

## GENE INFORMATION

|                        |     |
|------------------------|-----|
| <b>Official Symbol</b> | NPL |
|------------------------|-----|

|                 |                                            |
|-----------------|--------------------------------------------|
| <b>Synonyms</b> | Narcissus pseudonarcissus Lectin; NPL; NPA |
|-----------------|--------------------------------------------|

|           |  |
|-----------|--|
| <b>WB</b> |  |
|-----------|--|

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