

## Native Soybean Glycine max Lectin (SBA), AP-Conjugated

Cat. No. SBA-013S    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Product Overview</b> | Native Soybean Glycine max Lectin (SBA) - AP (Alkaline Phosphatase)<br>Blood Group Specificity: Non-specific<br>Preferred Sugar Specificity: $\alpha$ -N-Acetylgalactosamine > $\beta$ -N-Acetylgalactosamine<br>Inhibiting or Eluting Sugar: N-Acetylgalactosamine<br>Divalent Ions: Ca <sup>++</sup> , Mn <sup>++</sup><br>Mitogenic Activity: Yes<br>Hazardous Shipping: Non-hazardous                                                                                             |
| <b>Species</b>          | Soybean                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | Soybean                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | Alkaline phosphatase (AP) is conjugated to Glycine max (Soybean) Lectin (SBA) to show the binding of SBA in many applications including Western blotting and ELISA. Alkaline phosphatase is a large protein (140 kDa) that catalyzes the hydrolysis of phosphate groups from a substrate resulting in a colored or fluorescent product. The optimal enzymatic activity of this protein is between pH 8 and 10, and its reaction rate remains linear, improving sensitivity over time. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>           | High Purity Grade                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Stability</b>        | Shelf Life: 1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

 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

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| <b>Storage</b> | At -20 centigrade. |
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| <b>Concentration</b> | 1 mg/mL |
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## GENE INFORMATION

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| <b>Official Symbol</b> | SBA |
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|-----------------|-------------------------|
| <b>Synonyms</b> | Glycine max Lectin; SBA |
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