

# Native Kidney bean Phaseolus vulgaris Lectin (PHA-L), AP-Conjugated

**Cat. No.** PHA-L-029K    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | <p>Native Kidney bean Phaseolus vulgaris Lectin (PHA-L) - AP (Alkaline Phosphatase)</p> <p>Blood Group Specificity: Non-specific</p> <p>Preferred Sugar Specificity: Complex N-Glycans</p> <p>Inhibiting or Eluting Sugar: Bovine Thyroglobulin, Acetic Acid</p> <p>Divalent Ions: Ca<sup>++</sup>, Mn<sup>++</sup></p> <p>Mitogenic Activity: Yes</p> <p>Hazardous Shipping: Non-hazardous</p>                                                                                               |
| <b>Species</b>          | Kidney bean                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | Kidney bean                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | <p>Alkaline phosphatase (AP) is conjugated to Phaseolus vulgaris Lectin (PHA-L) to show the binding of PHA-L 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.</p> |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | High Purity Grade                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Stability</b>        | Shelf Life: 1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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

|                      |         |
|----------------------|---------|
| <b>Concentration</b> | 1 mg/mL |
|----------------------|---------|

## GENE INFORMATION

|                        |       |
|------------------------|-------|
| <b>Official Symbol</b> | PHA-L |
|------------------------|-------|

|                 |                                   |
|-----------------|-----------------------------------|
| <b>Synonyms</b> | Phaseolus vulgaris Lectin; PHA-L) |
|-----------------|-----------------------------------|

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