

Product Information

Lectin from *Phaseolus vulgaris* (red kidney bean)

Catalog Number **L4144**

Storage Temperature 2–8 °C

Synonyms: Leucoagglutinin; PHA-L; PHA;
Phaseolus vulgaris agglutinin

Product Description

This leucoagglutinin (PHA-L) is isolated from the kidney bean, *Phaseolus vulgaris*. It is a glycoprotein, which agglutinates leukocytes and has little, if any, agglutination activity with erythrocytes. PHA-L is also a potent mitogen for lymphocytes.

The product is supplied as an essentially salt-free, aseptically filled, lyophilized powder.

Leukocyte agglutination activity: ≤ 1.0 $\mu\text{g/ml}$

Agglutination activity is determined from serial dilutions of a 1 mg/ml solution. This activity is the lowest concentration to agglutinate a suspension of human leukocytes (10^7 per ml in saline) after 1 hour incubation at 25 °C.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

To reconstitute, add 1.0 ml of sterile Dulbecco's Phosphate Buffered Saline (DPBS) or tissue culture medium to 5 mg of lectin and gently rotate. The solution may appear slightly hazy. The reconstituted product may be further diluted to the desired working concentration using sterile buffer prior to use. Filtration should be avoided to prevent any product loss.

Storage/Stability

Store the product at 2–8 °C.

After reconstitution, store aliquots at –20 °C. Prolonged storage of product and repeated freezing and thawing are not recommended.

References

1. Goldstein, I., and Poretz, R., in *The Lectins*, Liener, I., Sharon, N., and Goldstein, I., eds., Academic Press, (Orlando, FL: 1986) pp. 173-176.
2. Quantitation and Functional Assay of T and B Cells. in *Immunology Series No. 8 Procedural Guide*, U.S. Dept HEW-PHS, CDC Bureau of Laboratories, (Atlanta, GA 30333: May 1978) pp. 11-20.

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