

ABSOLUTE LECTINS

05-0033 *Trichosanthes japonica* agglutinin II (TJA-II)



Benefits

- Affinity for lactose
- Ultrapure quality

Product description

TJA-II is isolated from the root tubers of Japanese gourd. It is highly purified and one purification step involves bio specific affinity chromatography to ensure highest possible binding affinity. TJA-II has affinity for lactose favouring fucose α 1- \rightarrow 2 lactose.

Applications

- Anti-H agglutinin (TJA-II)

Directions for use

The lectin may be reconstituted in a suitable buffer for your application.

Shipping and storage

Stable for at least 3 years from production date when stored below -20°C . May be shipped at ambient temperature. After reconstitution in PBS pH 7.4, the solution may be stored frozen in working aliquots for up to 12 months. Repeated freezing and thawing is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

Ordering information

| Article no. | Product name | Pack size |
|---------------|---|-----------|
| 05-0033-2mg | <i>Trichosanthes japonica</i> agglutinin II | 2 mg |
| 05-0033-25mg | <i>Trichosanthes japonica</i> agglutinin II | 25 mg |
| 05-0033-100mg | <i>Trichosanthes japonica</i> agglutinin II | 100 mg |

Tips and hints

Avoid repeated freezing and thawing.

Certifications

Medicago's laboratories and manufacturing site in Uppsala are ISO 9001:2015 certified. Each stage of the manufacturing process is controlled and monitored by stringent quality control procedures to guarantee the highest possible quality and lot-to-lot reproducibility.



Specifications

Trichosanthes japonica agglutinin II (05-0033)

| | |
|-------------------|---|
| Appearance | White flocculate or powder |
| Source | Root tubers of <i>Trichosanthes japonica</i> |
| Molecular weight | 64 kDa |
| Sugar specificity | Fucose α 1- \rightarrow 2 lactose |
| Activity | Agglutinates human bloodgroup 0 erythrocytes at a lectin concentration down to 42 $\mu\text{g}/\text{ml}$. The agglutination is inhibited by 67 mM lactose at a lectin concentration \leq 42 $\mu\text{g}/\text{ml}$. |
| Microorganisms | \leq 100 CFU/g |
| Shelf life | \geq Three years when stored at -20°C |