

FUJIFILM**Wako**

<For Research Use Only>

Code No. 036-20601 (50 µg)

Cholera Toxin A Subunit, Solution**コレラ毒素Aサブユニット, 溶液**

Cholera toxin is produced by the gram-negative bacterium, *Vibrio cholerae*. This toxin leads to severe diarrheal disease followed by dehydration in humans. It consists of a single A subunit and five B subunits. The A subunit is responsible for the ADP-ribosylation of α -subunit of Gs (a kind of GTP-binding proteins). This ADP-ribosylation constitutively activates adenylate cyclase, resulting in increased intracellular cAMP levels. The B subunit is responsible for the toxin's binding to GM1 ganglioside on the cell surface.

This product is composed of Cholera toxin A subunit.

Source : *Vibrio cholerae* 569B**Appearance** : Solution, 20 mmol/L Tris-HCl (pH 8.2), 0.2 mol/L NaCl and 10% Glycerol.**Molecular Weight** : Approximately 27,200**Protein Concentration** : Indicated on the label.**[Caution]**

This product is extremely toxic. Wear protective gloves and other protection, when handling this product. Do not mouth pipette. Avoid skin contact. Soak utensils and toxin solution overnight in a 2% NaOH solution or NaClO solution containing 1% available chlorine, or boil for 20 minutes.

This product is for research use only.

[ご使用上の注意]

本品は強い毒性をもっています。本品をお取扱いの際は保護手袋や防護服をご使用下さい。口でのピペッティングを避けて下さい。肌や傷口に触れさせないで下さい。

また、使用した器具及び毒素溶液は必ず2%水酸化ナトリウム溶液または有効塩素約1%含有の次亜塩素酸ナトリウム溶液に一晩浸漬するか、20分間煮沸し、毒素を分解して下さい。

本品は、試験・研究の目的にのみ使用されるものです。

[Storage]

Store at -80°C

[Expiration Date]

Indicated on the label.

[Package]

50 µg

[References]

1. Finkelstein, R.A. *et al.* : *J. Exp. Med.*, **130**, 185 (1969).
2. Vaughan, M. and Moss, J. : *J. Supramol. Struct.*, **8**, 473 (1978).

[Related Products]

Code No.	Description	Package
030-20621	Cholera Toxin Solution	100 µg
033-20611	Cholera Toxin B Subunit, Solution	50 µg

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