



## Amanitin[BSA] (DAG-WZ1003)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

#### Antigen Description

Amanitin is a bicyclic octapeptide which belongs to a large group of protoplasmic mushroom toxins known as amatoxins. Among the mushroom species is the green death cap mushroom (*Amanita phalloides*) as well as *Amanita verna*, *Amanita virosa*, *Amanita bisporigera*, *Amanita ocreata*, *Amanita tenuifolia*, *Galerina* and *Conocybe filaris*. These mushroom species produce  $\alpha$ -amanitin in amounts sufficient to poison an adult person with liver damage and fatal outcome (LD50, p.o. humans; 0.1mg/kg).  $\alpha$ -Amanitin kills cells by inhibiting RNA polymerase II (Pol II) and shutting down gene transcription.

|               |   |
|---------------|---|
| Specificity   | N/A   |
| Species       | N/A   |
| Conjugate     | BSA   |
| Applications  | ELISA, LFIA   |
| Format        | Liquid  |
| Concentration | Batch dependent - please inquire should you have specific requirements.               |
| Size          | 1 mg  |
| Buffer        | 0.01M PBS, pH 7.2   |
| Storage       | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |

### BACKGROUND

#### Keywords

Amanitin; alpha Amanitin