



# Aminophylline [KLH] (DAG-WZ1012K)

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

## PRODUCT INFORMATION

|               |                                                                                       |
|---------------|---------------------------------------------------------------------------------------|
| Conjugate     | KLH                                                                                   |
| Applications  | Immunogen                                                                             |
| Format        | Liquid                                                                                |
| Concentration | Batch dependent - please inquire should you have specific requirements                |
| Size          | 1 mg                                                                                  |
| Buffer        | 10mM PBS, pH7.4                                                                       |
| Preservative  | None                                                                                  |
| Storage       | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| Ship          | Wet ice                                                                               |

## BACKGROUND

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Introduction | Aminophylline is a drug combination that contains theophylline and ethylenediamine in a 2:1 ratio. Once in the body, theophylline is released and acts as a phosphodiesterase inhibitor, adenosine receptor blocker, and histone deacetylase activator. Similar to other theophyllines, aminophylline is indicated for the treatment of lung diseases such as asthma, chronic bronchitis, and COPD. The majority of aminophylline medications are discontinued and the remaining medications on the market are in short supply. |
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