



## Cefalexin [HSA] (DAG261S)

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

### PRODUCT INFORMATION

|                     |                                                     |
|---------------------|-----------------------------------------------------|
| Antigen Description | Cefalexin, covalently linked to human serum albumin |
| Species             | N/A                                                 |
| Purity              | chromatography, dialysis                            |
| Conjugate           | HSA                                                 |
| Applications        | e.g. allergy test, immunoassays etc.                |
| Molecular Weight    | app. 65 kDa                                         |
| Format              | Liquid                                              |
| Concentration       | 1 mg/mL, conjugation ratio is app. 1:10 - 1:40.     |
| Size                | 1 mg                                                |
| Buffer              | PBS                                                 |
| Preservative        | 0.05% sodium azide                                  |
| Storage             | Store at 4°C.                                       |

### BACKGROUND

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| Introduction | Cefalexin (INN) or more commonly cephalixin is a first-generation cephalosporin antibiotic introduced in 1967 by Eli Lilly and Company. It is an orally administered agent with a similar antimicrobial spectrum to the intravenous agents cefalotin and cefazolin. It was first marketed as Keflex (Lilly), and is marketed under several other trade names. As of 2008, cefalexin was the most popular cephalosporin antibiotic in the United States, with more than 25 million prescriptions of its generic versions alone, for US\$255 million in sales (though less popular than |
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two other antibiotics, amoxicillin and azithromycin, each with 50 million prescriptions per year).

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**Keywords**

drug-HSA conjugate, drug-conjugate, Cefalexin HSA conjugate

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