



## Indometacin [HSA] (DAG230S)

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

### PRODUCT INFORMATION

|                     |   |
|---------------------|---|
| Antigen Description | Indometacin, 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 | Indomethacin is a synthetic nonsteroidal indole derivative with anti-inflammatory activity and chemopreventive properties. As a nonsteroidal anti-inflammatory drug (NSAID), indomethacin inhibits the enzyme cyclooxygenase, thereby preventing cyclooxygenase-mediated DNA adduct formation by heterocyclic aromatic amines. This agent also may inhibit the expression of multidrug-resistant protein type 1, resulting in increased efficacies of some antineoplastic agents in treating multi-drug resistant tumors. In addition, indomethacin activates phosphatases |
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that inhibit the migration and proliferation of cancer cells and downregulates survivin, which may result in tumor cell apoptosis. (NCI04)

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**Keywords**

drug-HSA conjugate, drug-conjugate, Indometacin HSA conjugate

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