



## Indometacin [HRP] (DAG431S)

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

### PRODUCT INFORMATION

Antigen Description	Indometacin, covalently linked to horseradish peroxidase
Species	N/A
Purity	chromatography, dialysis
Conjugate	HRP
Applications	e.g. allergy test, immunoassays etc.
Molecular Weight	app. 44 kDa
Reconstitution	Reconstitute with 1 ml PBS without azide.
Format	Lyophilized
Concentration	1 mg/mL working concentration
Size	1 mg
Preservative	None
Storage	Store at -20°C.

### BACKGROUND

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-HRP conjugate, drug-conjugate, Indometacin HRP conjugate

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