



## Benzocaine [HRP] (DAG447S)

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

### PRODUCT INFORMATION

Antigen Description	Benzocaine, 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	<p>Benzocaine is an ester of paraaminobenzoic acid, lacking the terminal diethylamino group of procaine, with anesthetic activity. Benzocaine binds to the sodium channel and reversibly stabilizes the neuronal membrane which decreases its permeability to sodium ions. Depolarization of the neuronal membrane is inhibited, thereby blocking the initiation and conduction of nerve impulses.</p>
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**Keywords**

drug-HRP conjugate, drug-conjugate, Benzocaine HRP conjugate

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