



Benzocaine [BSA] (DAG378S)

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

PRODUCT INFORMATION

Antigen Description	Benzocaine, covalently linked to bovine serum albumin
Species	N/A
Purity	chromatography, dialysis
Conjugate	BSA
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

Introduction	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.
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Keywords

drug-BSA conjugate, drug-conjugate, Benzocaine BSA conjugate
