



# Amphotericin B [HSA-Biotin] (DAG552S)

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

## PRODUCT INFORMATION

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

## BACKGROUND

<b>Introduction</b>	Amphotericin B is a polyene antifungal antibiotic produced by <i>Streptomyces nodosus</i> , with antifungal activity. Amphotericin B binds to ergosterol, an essential component of the fungal cell membrane, thereby causing depolarization of the membrane and altering cell membrane permeability. This leads to leakage of important intracellular components, cell rupture, and eventually cell death. This agent may also induce oxidative damage in fungal cells and has been reported to stimulate host immune cells.
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**Keywords**

drug-HSA-Biotin conjugate, drug-conjugate, Amphotericin B HSA-Biotin conjugate

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