



Rifampicin [HRP] (DAG406S)

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

PRODUCT INFORMATION

Antigen Description	Rifampicin, 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	Rifampicin is an antibiotic used to treat several types of bacterial infections, including tuberculosis, Mycobacterium avium complex, leprosy, and Legionnaires' disease. It inhibits bacterial DNA-dependent RNA synthesis by inhibiting bacterial DNA-dependent RNA polymerase. It prevents RNA synthesis by physically blocking elongation, and thus preventing synthesis of host bacterial proteins. By this "steric-occlusion" mechanism, rifampicin blocks synthesis of the second or third phosphodiester bond between the nucleotides in the RNA
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backbone, preventing elongation of the 5' end of the RNA transcript past more than 2 or 3 nucleotides.

Keywords

drug-HRP conjugate, drug-conjugate, rifampicin HRP conjugate
