



Recombinant Hepatitis B Virus E Antigen [GST] (DAG-P2938)

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

PRODUCT INFORMATION

Product Overview	The E.Coli derived recombinant protein contains the HBV HBe adw immunodominant region is fused to a GST tag and the Mw is 43,897.6 Dalton.
Specificity	Immunoreactive with sera HBV-infected individuals.
Nature	Recombinant
Expression System	E.coli
Species	HBV
Purity	>95% pure as determined by 10% PAGE (coomassie staining)
Conjugate	GST
Molecular Weight	43.9 KDa
Procedure	None
Format	Liquid
Concentration	1mg/ml
Size	100 µg
Buffer	50mM Tris-HCl pH 8.5, 5mM DTT, 10mM BMe and 8M Urea.
Preservative	None
Storage	HBV HBe protein although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

BACKGROUND

Introduction

Hepatitis B e-antigen (HBeAg) is a viral protein associated with HBV infections. Unlike the surface antigen, the e-antigen is found in the blood only when there are viruses also present. When the virus goes into "hiding," the e-antigen will no longer be present in the blood. HBeAg is often used as a marker of ability to spread the virus to other people (infectivity). Measurement of e-antigen may also be used to monitor the effectiveness of HBV treatment; successful treatment will usually eliminate HBeAg from the blood and lead to development of antibodies against eantigen (anti-HBe). There are some types (strains) of HBV that do not make e-antigen; these are especially common in the Middle East and Asia. In areas where these strains of HBV are common, testing for HBeAg is not very useful.

Keywords

Hepatitis B Virus E antigen; HBeAg; HBV; Hepatitis B Virus
