



HBV Core Antigen (aa 1 - 101) (DAG-P2167)

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

PRODUCT INFORMATION

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| Product Overview | HBcAg protein fragment |
| Antigen Description | An antigen of the DNA core of the hepatitis B virus, indicating the presence of replicating hepatitis B virus. The nucleocapsid of the Hepatitis B virus (HBV) is extremely immunogenic. The icosahedral nucleocapsid is composed of 180 or 240 subunits of a 183-residue protein that is known as the HBV core (HBc) antigen (HBcAg). The subunits are clustered as dimers, producing spikes that protrude from the underlying shell domain, and contain the immunodominant loop of HBcAg. HBc antigen (HBcAg) capsids can activate naive B cells by cross-linking their surface receptors. |
| Species | HBV |
| Purity | > 95 % by SDS-PAGE. |
| Conjugate | Unconjugated |
| Applications | WB ELISA SDS-PAGE |
| Molecular Weight | 2500 kDa |
| Format | Liquid |
| Buffer | Constituents: 0.03% EDTA, 99% Tris buffered saline |
| Preservative | None |
| Storage | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Constituents: 0.03% EDTA, 99% Tris buffered saline |

BACKGROUND

Introduction

Hepatitis B virus, abbreviated HBV, is a species of the genus Orthohepadnavirus, which is likewise a part of the Hepadnaviridae family of viruses. This virus causes the disease hepatitis B.

Keywords

C; Capsid protein; core; Core antigen; Core protein; HBcAg; Hepatitis B core antigen; p21.5