



# Recombinant Hepatitis B Virus Core Antigen (DAGC178)

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

## PRODUCT INFORMATION

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| <b>Product Overview</b> | This antigen is a recombinant HBcAg with a polyspherical conformation. Can effectively capture the anti-HBcAg antibody in the test sample. It has excellent specificity, sensitivity and stability. |
| <b>Species</b>          | HBV   |
| <b>Applications</b>     | conjugated with colloid gold as detecting reagent,  |
| <b>Molecular Weight</b> | Monomer: 20KD; Spherical polymer: about 2200kD  |
| <b>Format</b>           | Liquid  |
| <b>Size</b>             | 1 mg  |
| <b>Buffer</b>           | CBS pH10.5  |
| <b>Preservative</b>     | None  |
| <b>Storage</b>          | Store at 2°C to 8°C.  |

## BACKGROUND

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| <b>Introduction</b> | Hepatitis B Virus (HBV) infection induces a disease state characterised by liver damage, inflammation and viral persistence. Infection also increases the risk of hepatocellular carcinoma. HBV belongs to the Hepadnaviridae family of viruses. Its genome consists of partially double stranded circular DNA. The DNA is enclosed in a nucleocapsid, or core antigen (HBcAg), which is surrounded by a spherical envelope (surface antigen or HBsAg). The core antigen shares its sequences with the e antigen (HBeAg) but no cross reactivity between the two proteins has been observed. The HBV genome also encodes a DNA polymerase that also acts as a reverse transcriptase. |
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**Keywords**

Hepatitis B Virus Core Antigen; HBcAg; HBV

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