

## HBeAg recombinant protein

HBeAg Protein

|                              |                        |                              |
|------------------------------|------------------------|------------------------------|
| CATALOG #<br><b>AAA59087</b> | HOST<br><b>E. coli</b> | APPLICATIONS<br><b>ELISA</b> |
|------------------------------|------------------------|------------------------------|

### PRODUCT SYNONYMS

HBeAg; HBeAg Protein; Hepatitis BeAg; HBeAg recombinant protein

### PRODUCT SPECIFICATIONS

|                                                       |                                                                                                                                           |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                  | E. coli                                                                                                                                   |
| Purity/Purification                                   | >90% by SDS-PAGE                                                                                                                          |
| Form/Format                                           | Liquid; Each vial contains 0.02 M sodium phosphate (pH7.2) with 0.02% sodium azide.                                                       |
| Concentration                                         | 4.5 mg/ml (varies by lot)                                                                                                                 |
| Applicable Applications for HBeAg recombinant protein | ELISA                                                                                                                                     |
| Inactivation                                          | Heated for 10 hours at 60°C before ultracentrifugation.                                                                                   |
| Preparation and Storage                               | Ship at 4 degree C. Upon receipt, aliquot and store at -20 degree C or -80 degree C for long term. Avoid repeated freeze and thaw cycles. |

### ADDITIONAL INFORMATION

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| Related Product Information for HBeAg recombinant protein | <p>Description: Recombinant full length human Hepatitis BeAg protein.</p> <p>Background: HBeAg is the extracellular form of HBcAg (Hepatitis B viral protein, core antigen), hence why the presence of both are markers of viral replication, and antibodies to these antigens are markers of a decline in replication. Multiple protein products can be produced from the same DNA sequence. When "ORF Core" and "Pre C" are translated together, the result is "HBeAg". Both HBeAg and HBcAg are made from the same reading frame, but HBeAg is secreted from cells and accumulates in serum as an immunologically distinct soluble antigen. HBeAg is secreted and found in the serum of patients and serves as a marker of active replication in chronic hepatitis.</p> |
| References                                                | <p>1. Kimura T, Rokuhara A, Matsumoto A, et al. (May 2003). "New enzyme immunoassay for detection of hepatitis B virus core antigen (HBcAg) and relation between levels of HBcAg and HBV DNA". J. Clin. Microbiol. 41 (5): 1901-6.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### NCBI AND UNIPROT INFORMATION

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|-------------------------|-----------|
| NCBI GI #               | 349731673 |
| NCBI Official Full Name | HBeAg     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hbeag-recombinant-protein-e-coli-elisa/59087>