



Rabbit Anti-HBeAg antibody

SL10386R

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| Product Name: | HBeAg |
| Chinese Name: | 乙型肝炎e抗原抗体 |
| Alias: | Hepatitis B Virus E Antigen; HBe antigen; HBeAg; HBVgp4; Pre C,C; Precore protein; Precore/core; Precore/core ORF; Precore/core protei; HBEAG_HBVD3; External core antigen; HBeAg; p25. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Hepatitis B virus |
| Applications: | ELISA=1:500-1000IHC-F=1:400-800 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 12kDa |
| Cellular localization: | cytoplasmicSecretory protein |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human HBeAg:51-212/212 |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |
| Product Detail: | 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 e-antigen (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.

Function:

May regulate immune response to the intracellular capsid in acting as a T-cell tolerogen, by having an immunoregulatory effect which prevents destruction of infected cells by cytotoxic T-cells. This immune regulation may predispose to chronicity during perinatal infections and prevent severe liver injury during adult infections.

Subunit:

Homodimerizes.

Subcellular Location:

Secreted. Host nucleus.

Post-translational modifications:

Phosphorylated.

Cleaved by host furin.

Similarity:

Belongs to the orthohepadnavirus precore antigen family.

SWISS:

Q89714

Gene ID:

944568

Database links:

[Entrez Gene: 944568](#)Hepatitis B virus

[SwissProt: Q89714](#)Hepatitis B virus

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.