

Mouse anti-HBe Monoclonal Antibody(coating)

Cat. No. CAB045 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source Ascites

Antigen information

Hepatitis B is one of a few known non-retroviral viruses which employ reverse transcription as a part of its replication process. (HIV, a completely unrelated virus, also uses reverse transcription, but it is a retrovirus.) HBV invades the cell by binding to surface receptor and become internalized. The viral core particles then migrate to the hepatocyte nucleus and the partially double-stranded, relaxed circular genomes (RC-DNA) are repaired to form a covalently closed circular DNA (cccDNA), which is the template for viral genomic and sub-genomic RNAs by cellular RNA polymerase II. Of these, the pregenomic RNA (pgRNA) is selectively packaged into progeny capsids and is then reverse-transcribed into new RC-DNA. The core can either bud into the endoplasmic reticulum to be enveloped or exported from the cell or recycled back into the genome for conversion to cccDNA

Specificity HBe-Ag

Clone LT03

Host Animal Mouse. Hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.

Immunogen hepatitis virus granule

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Format	Purified, Liquid
Purification	>90% pure (SDS-PAGE). Protein A chromatography
Concentration	4mg/ml (OD280nm, E ^{0.1%} = 1.4)
Affinity Constant	1X10 ¹¹ L/Mol
Buffer	PBS, pH 7.4
Preservative	0.1% NaN ₃
Applications	Detection for HBe antigen. Suitable for use in ELISA, Western-Blotting and tissue immunity, Suggested pair for ELISA immunoassay: Capture DetectionCAB045 CAB046
Storage	Short term at 2-8°C,Long term at -20°C

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