

32-5890: Mouse Anti Hepatitis B Virus Core(Clone:PPT10E11VN)

Clonality :	Monoclonal
Clone Name :	PPT10E11VN
Application :	ELISA,WB,IHC
Gene :	DDB1
Gene ID :	1642
Uniprot ID :	Q16531
Format :	Purified
Isotype :	mouse IgG2a
Immunogen Information :	r.HBcAg Core ayw Antigen

Description

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.

Product Info

Amount :	0.5 mg
Content :	1mg/ml in 0.01% sodium azide
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

ELISA, WB, IHC.