

32-5887: Mouse Anti Hepatitis B Virus (AD & AY Antigens)(Clone:NYRHepB.)

Clonality :	Monoclonal
Clone Name :	NYRHepB.
Gene :	DDB1
Gene ID :	1642
Uniprot ID :	Q16531
Format :	Purified
Isotype :	mouse IgG1.
Immunogen Information :	r.Hep B vaccine (BTG) .

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 :	1 mg
Purification :	Ion exchange column.
Content :	1mg/ml in PBS (after reconstitution).
Storage condition :	In lyophilized form, for long periods, store at 4°C in a dry environment. After reconstitution, if not intended for use within a month, aliquot and store at -20°C.