

BM3331**Monoclonal Antibody to HCV NS5A (2190-2300) - Aff - Purified****Alternate names:**

Hepatitis C Virus Non-structural protein NS5A

Quantity:

0.1 mg

Concentration:

1.0 mg/ml

Background:

HCV is classified into the genus Hepacivirus of the family Flaviviridae. Like all the members of the family, HCV is an enveloped, single-stranded, positive-sense RNA virus. Its genome (about 9600 nt) is flanked at both termini by conserved, highly structured non-translated regions (NTRs) and encodes a polyprotein precursor (about 3000 aa), which is proteolytically processed by host and viral proteases to produce the structural (core, E1, E2 and p7) and non-structural (NS2, NS3, NS4A, NS4B, NS5A and NS5B) proteins of the virus. Recently, an additional protein has been identified, whose function remains unknown.

NS5A is a ~56 kDa pleiotropic protein with key roles in both viral RNA replication and modulation of the physiology of the host cell

Host / Isotype:

Mouse / IgG1

Clone:

7-D4

Immunogen:

Recombinant antigen (HCV) genotype 1b.

Remarks: Source: Ascites**Format:****State:** Liquid purified Ig fraction.**Purification:** Protein G Chromatography.**Buffer System:** PBS, pH 7.2 containing 0.01% Sodium Azide as preservative.**Applications:**

Suitable for use in **ELISA** (~10e-6), **Western Blot** (1/1000) and **Immunohistochemistry** (Cryostat liver sections: 1/20).

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

HCV NS-5a antigen.

Storage:

Store the antibody at 2-8°C for one month or in aliquots at -20°C to -80°C for longer.

Avoid multiple freeze/thaw cycles.

Shelf life: one year from despatch.