

Product datasheet for **BM3331**

HCV NS5A (2190-2300) Mouse Monoclonal Antibody [Clone ID: 7-D4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	7-D4
Applications:	ELISA, IHC, WB
Recommended Dilution:	Suitable for use in ELISA (~10e-6), Western Blot (1/1000) and Immunohistochemistry (Cryostat liver sections: 1/20).
Reactivity:	Hepatitis C Virus
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant antigen (HCV) genotype 1b.
Specificity:	HCV NS-5a antigen.
Formulation:	PBS, pH 7.2 containing 0.01% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Chromatography.
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.



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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

Synonyms:

Hepatitis C Virus Non-structural protein NS5A