

Product datasheet for **AM05667PU-N**

HCV Core protein (33-38) Mouse Monoclonal Antibody [Clone ID: 1868]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1868
Applications:	ELISA, IF, WB
Recommended Dilution:	ELISA: 1/20-1/200. Immunofluorescence: 1/10-1/50. Western Blot: 1/10-1/50. Detects a band of approximately 30kDa.
Reactivity:	Hepatitis C Virus
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant full-length core protein.
Specificity:	This antibody specifically recognizes an epitope within amino acid residues 33-38 of the core antigen of the Hepatitis C virus (HCcAg), a small enveloped single- stranded RNA virus of the family <i>Flaviviridae</i> .
Formulation:	0.01M PBS, pH 7.2 containing 0,09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background:

HCV is a positive, single stranded RNA virus in the Flaviviridae family. The genome is approximately 10,000 nucleotides and encodes a single polyprotein of about 3,000 amino acids. The polyprotein is processed by host cell and viral proteases into three major structural proteins and several non structural protein necessary for viral replication. Several different genotypes of HCV with slightly different genomic sequences have since been identified that correlate with differences in response to treatment with interferon alpha.

Hepatitis C virus (HCV) core protein is thought to contribute to HCV pathogenesis through its interaction with various signal transduction pathways. In addition, HCV core antigen is a recently developed marker of hepatitis C infection. The HCV core protein has been previously shown to circulate in the bloodstream of HCV-infected patients and inhibit host immunity through an interaction with gC1qR.

Synonyms:

Hepatitis C Virus core protein