

Product datasheet for **BM3360**

HCV Envelope glycoprotein E2 Mouse Monoclonal Antibody [Clone ID: BDI167]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BDI167
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	Suitable for use in ELISA, IFA and Western blot. <u>Recommended Starting Dilutions:</u> 1/20-1/200 for ELISA. 1/10-1/50 for IFA and Western blot. Has been reported to work in immunohistochemistry on frozen sections.
Reactivity:	Hepatitis C Virus
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant HCV E2, genotype 1a.
Specificity:	Clone BDI167 recognizes Hepatitis C Virus (HCV) E2 genotype 1b.
Formulation:	0.01M PBS, pH 7.2 with 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction (>90% pure).
Concentration:	lot specific
Purification:	Protein A Chromatography.
Conjugation:	Unconjugated
Storage:	Store 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:

Hepatitis C Virus 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.

Synonyms:

Hepatitis C Virus NS1, gp68, gp70