

Product datasheet for **SM2287P**

HCV Envelope glycoprotein E2 Mouse Monoclonal Antibody [Clone ID: 1876]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1876
Applications:	ELISA, IF, WB
Recommended Dilution:	ELISA. Western Blotting. Immunofluorescence.
Reactivity:	Hepatitis C Virus
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Highly purified Hepatitis C Virus envelope glycoprotein E2
Specificity:	This antibody is specific for the envelope glycoprotein E2 of Hepatitis C virus (HCV). It has been suggested that HCV infects Human cells through interaction of the E2 envelope glycoprotein and CD81 the putative viral receptor.
Formulation:	PBS 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:

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 proteins 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