

## Product datasheet for **AM26125PU-N**

### **HCV NS5B RdRp (77-86) Mouse Monoclonal Antibody [Clone ID: 7F12]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	7F12
<b>Applications:</b>	ELISA, IP, WB
<b>Recommended Dilution:</b>	Reacts in ELISA, Western blot and Immunoprecipitation with genotype 1b (con-1) HCV NS5B protein. ELISA: 1:1000. Western blot (reduced conditions): 1:1000.
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Recombinant Hepatitis C Virus nonstructural protein 5B (NS5B) RNA-dependent RNA polymerase (RdRp)
<b>Specificity:</b>	This antibody detects HCV NS5B RdRp (aa 77-86).
<b>Formulation:</b>	PBS pH 7.4, with 0.09% sodium azide State: Aff - Purified State: Liquid Ig fraction
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Protein G affinity chromatography
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Upon receipt, store (in aliquots) at -20 to -70 °C. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: One year from despatch.



**Background:** Non-structural protein 5B (NS5B) represents the RNA-dependent RNA polymerase (RdRp) of Hepatitis C Virus, which is a small positive strand RNA virus in the family Flaviviridae. HCV is a major causative agent of acute and chronic hepatitis, hepatocellular carcinoma and liver cirrhosis. The single subunit RNA-dependent RNA polymerase is absolutely essential for the viral replication.

**Synonyms:** Hepatitis C Virus, RNA-directed RNA polymerase NS5B

**Product images:**



IP was carried out with NS5B specific mAb 7F12 using the lysates of Huh7 cells harboring selectable subgenomic HCV RNA replicon (upper panel) or plain Huh7 cells (lower panel). NS5B polyclonal antibodies (alpha-NS5B) and alpha-Bcl2 mAb, directed against ce