

Mouse mAb to HCV NS5B (clone 10D7)

Catalogue # A2-426-100

Immunogen: HCV 1b NS5B

Immunogen Recombinant Hepatitis C Virus subtype 1b non-

Description: structural protein 5B (NS5B) RNA-dependent

RNA polymerase (RdRp)

Uniprot ID: Q9WMX2

Clonality: Mouse monoclonal

Clone: 10D7

Class: mlgG1

Reactivity: Human, HCV subtype 1b NS5B, Epitope mapped

to amino acids 92-105 (TPPHSARSKFGYGA)

Application: ELISA, WB

Protocol: Optimal conditions for IP should be determined

for each particular application.

Monoclonal antibody working titer has to be established practically for each particular antigen

and assay format

Purification: Protein G purification

Buffer: PBS pH 7.4, with 0.1% sodium azide

Related Products: HCV subtype 1b monoclonal antibodies. For

more information visit

www.icosagen.com/products/?antibodies

Shipping: This product is shipped in non-frozen liquid form

in ambient conditions

Storage: Store at - 20 ...-70 °C upon receipt. Divide

antibody into aliquots prior usage. Avoid multiple freeze-thaw cycles as product degradation may

result.

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.

References

Nikonov A, Juronen E and Ustav M (2008)

Functional characterization of fingers subdomainspecific monoclonal antibodies inhibiting the hepatitis C virus RNA-dependent RNA polymerase. J. Biol Chem. 283(35):24089-102.

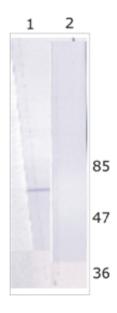


Figure 1. WB analysis of Huh-7 cell line expressing NS5B protein. Line 1. Huh-7 transfected with HCV replicon, Line 2. Huh-7 non-transfected cells.