



ANOGEN - A Division of YES Biotech Laboratories Ltd.

2355 Derry Road East, Unit 23, Mississauga, ON, Canada L5S 1V6 • Tel: (905) 677-9221 • Fax: (905) 677-0023

Mouse Anti-HCV NS-3 Monoclonal Antibody Datasheet

Product Name: mAb anti-HCV NS-3	Clone No.: 281
Catalogue No.: MO-I40018J	Quantity: 0.5 mg/vial
Description: Mouse monoclonal antibody (mAb) to human hepatitis C virus (HCV) non-structural protein NS-3	Storage: Store at -20°C
Purification: Protein G affinity purified	Research Area: Virology
Product Type: Primary antibody	Background: Hepatitis C virus (HCV) causes chronic hepatitis and liver cirrhosis in human through blood and body fluid transmission. HCV has a positive sense single RNA genome enclosed in the nucleocapsid made of core protein (capsid protein). The nucleocapsid is covered by an envelope made of lipoproteins (E1 and E2). The 9.6 kb HCV genome has a single open-reading frame, which is to be translated into a single polyprotein. HCV viral proteins are produced after processing the polyprotein. Genes for core protein and envelop proteins are located adjacently at the 5'-end of HCV genome, followed by genes for non-structural proteins including NS2, NS3, NS4A, NS4B, NS5, NS5A and NS5B.
Target Protein: Human hepatitis C virus (HCV) non-structural protein NS-3	Applications: ELISA: React with HCV NS-3 Western Blot: mAb clone 281, when used at concentration of 0.1-1µg/mL will allow visualization of 100ng/lane of both recombinant chimeric HCV polyprotein and recombinant NS-3 Protein. No reaction can be seen with synthetic NS-3. Test was conducted on blots transferred from both reducing and non-reducing PAGE gel.
Immunogen: Purified recombinant chimeric HCV polyprotein (555 amino acid residues)	References: If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.
Fusion Myeloma: Sp2/0-Ag14	
Specificity: mAb 281 reacts with recombinant NS-3 (residues 1252-1477 on HCV polyprotein), synthetic NS-3 (residues 1378-1458), and recombinant chimeric HCV polyprotein (60 kDa).	
Species Reactivity: Human hepatitis C virus, others not tested	
Cross - Reactivity: No cross reaction can be seen with recombinant core protein C + envelop protein M (residues 1-142), synthetic core protein C (residues1-61), and synthetic NS-4a protein (residues 1689-1735)	
Host / Isotype: Mouse, IgG1 Kappa	
Formulation: Lyophilized from a solution in 0.01M PBS, pH 7.2	
Reconstitution: Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.	

This product is for LABORATORY RESEARCH USE and further manufacture ONLY, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

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