



# ANOGEN - A Division of YES Biotech Laboratories Ltd.

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## Mouse Anti-HCV NS-4 Monoclonal Antibody Datasheet

<b>Product Name:</b> mAb anti-HCV NS-4	<b>Clone No.:</b> 174
<b>Catalogue No.:</b> MO-I40016L	<b>Quantity:</b> 0.5 mg/vial
<b>Description:</b> Mouse monoclonal antibody to human hepatitis C virus (HCV) non-structural protein NS-4	<b>Reconstitution:</b> Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.
<b>Purification:</b> Protein G affinity purified	<b>Storage:</b> Store at -20°C
<b>Product Type:</b> Primary antibody	<b>Research Area:</b> Virology
<b>Target Protein:</b> Human hepatitis C virus (HCV) non-structural protein NS-4	<b>Background:</b> 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.
<b>Immunogen:</b> Purified recombinant chimeric HCV polyprotein (555 amino acid residues)	<b>Applications:</b> <b>ELISA:</b> React with HCV NS4
<b>Fusion Myeloma:</b> Sp2/0-Ag14	<b>References:</b> 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.
<b>Specificity:</b> This mAb reacts with synthetic NS-4a protein (residues 1689-1735 on HCV polyprotein) and recombinant chimeric HCV polyprotein (60 kDa).	
<b>Species Reactivity:</b> Human hepatitis C virus , others not tested	
<b>Cross - Reactivity:</b> No cross reaction was seen with recombinant core protein C + envelop protein M (residues 1 -142), synthetic core protein C (residues 1 -61), recombinant NS-3 Protein (residues 1252 -1477) or synthetic NS-3 Protein (residues 1378 -1458)	
<b>Host / Isotype:</b> Mouse, IgG1 Kappa	
<b>Formulation:</b> Lyophilized from a solution in 0.01M PBS, pH 7.2	

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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