



## ANOGEN - A Division of YES Biotech Laboratories Ltd.

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### Mouse anti-HCV Core Protein Monoclonal Antibody [C3] Datasheet

<b>Catalogue No</b>	MO-I40015E
<b>Product name</b>	Mouse anti-HCV Core Protein monoclonal antibody [C3]
<b>Clone No</b>	C3
<b>Product type</b>	Primary antibodies
<b>Description</b>	Mouse monoclonal antibody (MAb) to human HCV core protein, Protein G affinity purified
<b>Target protein</b>	Human Hepatitis C virus core protein.
<b>Immunogen</b>	Recombinant Chimeric Hepatitis C virus (HCV) polyprotein (555 amino acids)
<b>Specificity</b>	This MAb is reactive with recombinant CPC* +EPM** (core) (1st-142th amino acid), synthetic CPC* (1st- 61st amino acid), and recombinant chimeric HCV polyprotein (60kDa).  * Capsid Protein C ** Envelope protein M
<b>Cross-reactivity</b>	No cross reaction with recombinant NS-3 protein (1252nd -1477th amino acid), synthetic NS-3 protein (1378th -1458th amino acid) and synthetic NS-4a protein (1689th -1735th amino acid)
<b>Clonality</b>	Monoclonal
<b>Source</b>	Mouse
<b>Myeloma</b>	Sp2/0-Ag14
<b>Subclass</b>	IgG1
<b>Light Chain</b>	Kappa
<b>Formulation</b>	Lyophilized from a solution in 0.01M PBS, pH 7.0
<b>Reconstitution</b>	Double distilled water is recommended to adjust the final concentration to 1.00 mg/ml
<b>Applications</b>	<b>ELISA:</b> React with human Hepatitis C Virus core protein. No reaction with HCV non-structural protein.  <b>Western Blot:</b> Concentration of 0.1 µg/ml MAb will allow visualization of 0.1 µg/lane of recombinant CPC+EPM (core), 0.5 µg/lane synthetic CPC, and 0.1 µg/lane recombinant chimeric HCV polyprotein. Testing is under both reducing and non-reducing conditions.  Has been used successfully in the recognition of <i>in-vitro</i> translated HCV core protein.
<b>Research</b>	Virology
<b>Storage</b>	Store at -20° C
<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 any product of choice as gratitude.

**This product is for LABORATORY RESEARCH USE and further manufacture only, and can not be administration to humans and animals for use in diagnostic and therapeutic procedures.**

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