

**MOUSE ANTI-HCV CORE PROTEIN MONOCLONAL ANTIBODY (B2) DATA SHEET**

<b>Catalog</b>	GG31-N0571
<b>Product name</b>	Mouse anti-HCV Core Protein monoclonal antibody [B2]
<b>Clone</b>	B2
<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>	Synthetic peptides derived from HCV capsid protein.
<b>Specificity</b>	This MAb is reactive with recombinant CPC* +EPM** (core) (1st-142th amino acid), syntheticCPC* (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-3protein (1378th -1458th amino acid) and synthetic NS-4a protein (1689th -1735th amino acid). It recognizes different antigenic determinants of HCV capsid protein.
<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>Concentration</b>	Double distilled water is recommended to adjust the final concentration to 1.00 mg/ml
<b>Applications</b>	ELISA: React with human Hepatitis C Virus core protein, and no reaction with HCV non-structure protein. Western Blot: Concentration of 0.1-0.5 ug/ml MAb will allow visualization of 0.1 ug/lane of recombinant CPC+EPM (core), 0.5 ug/lane synthetic CPC, and 0.1 ug/lane recombinant chimeric HCV polyprotein. Testing is under both reducing and non-reducing conditions.
<b>Research</b>	Virology
<b>Storage</b>	Store at -20o C
<b>References</b>	If research is published using this product, please inform ECB in order to cite the reference on this datasheet. ECB will provide any product of choice as gratitude.

**This product is for LABORATORY RESEARCH USE and further manufacture only. And can not be administrated to human and animals for use in diagnostic and therapeutic procedures.**



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