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Mouse anti-HCV Core Protein Monoclonal Antibody [B2] Datasheet

Catalogue No	MO-I40015B
Product name	Mouse anti-HCV Core Protein monoclonal antibody [B2]
Clone No	B2
Product type	Primary antibodies
Description	Mouse monoclonal antibody (MAb) to human HCV core protein, Protein G affinity purified
Target protein	Human Hepatitis C virus core protein.
Immunogen	Synthetic peptides derived from HCV capsid protein.
Specificity	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
Cross-reactivity	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). It recognizes different antigenic determinants of HCV capsid protein.
Clonality	Monoclonal
Source	Mouse
Myeloma	Sp2/0-Ag14
Subclass	IgG1
Light Chain	Kappa
Formulation	Lyophilized from a solution in 0.01M PBS, pH 7.0
Reconstitution	Double distilled water is recommended to adjust the final concentration to 1.00 mg/ml
Applications	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. Has been used successfully in the recognition of <i>in-vitro</i> translated HCV core protein.
Research	Virology
Storage	Store at -20° C
References	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.

Manufactured by YES Biotech Laboratories Limited. Rev. (05/04)