



Abazyme, LLC

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

Catalogue No MO- 140015B

Product name Mouse anti-Hepatitis C virus Core Protein monoclonal antibody [B2]

Clone No B2

Product type Primary antibody

Description Mouse monoclonal antibody (MAb) to Hepatitis C virus Core Protein, Protein G affinity purified

Target protein Human hepatitis C virus (HCV) 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 7.2

Concentration Double distilled water is recommended and 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.

Research Virology

Storage Store at -20° C

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