



# Abazyme, LLC

## Mouse anti-HCV Core Protein Monoclonal Antibody Datasheet [A1/3D1]

**Catalogue No** MO- 140015A

**Product name** Mouse anti-Hepatitis C virus Core Protein monoclonal antibody [A1/3D1]

**Clone No** A1/3D1

**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** MAb A1/3D1 is reactive with Recombinant CPC\*+EPM\*\* (core) (1a.a. -142a.a.) and Synthetic CPC\* (1a.a. -61a.a.). This clone recognizes different antigenic determinants of HCV capsid protein.

\*Capsid Protein C \*\*Envelope Protein M

**Reactivity** Human, others not tested

**Cross-reactivity** It showed no cross reaction with recombinant or synthetic HCV non-structural proteins (NS-3 and NS-4)

**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:** MAb A1/3D1 was tested using indirect ELISA method. The testing plates were coated with HCV non-structural protein (NS), capsid protein (C) and the mixture of NS and C separately. The neat culture supernatant of hybridoma showed a strong reaction with HCV capsid protein (OD492 value > 2.0) and mixture of NS and C (OD492 value >1.5), and have no reaction with HCV Non-structural protein (OD492 value < 0.03).

**Western Blot:** MAb A1/3D1 at a concentration of 0.5-1 ug/mL will allow visualization 0.1 ug/lane (Recombinant CPC\*+EPM\*\* (core)), 0.5 ug/lane (Synthetic CPC\*), and 0.1 ug/lane (Recombinant Chimeric HCV Polyprotein). Testing is under 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.**