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

Catalogue No	MO-I40015A
Product name	Mouse anti-Hepatitis C virus Core Protein monoclonal antibody [A1/3D1]
Clone No	A1/3D1
Product type	Primary antibodies
Description	Mouse monoclonal antibody to human hepatitis C virus (HCV) core protein, Protein G Aff. Pur.
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
Reconstitution	Double distilled water is recommended 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). Not suitable for use in Western Blots. 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.

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