



ANOGEN - A Division of YES Biotech Laboratories Ltd.

2355 Derry Road East, Unit 23, Mississauga, ON L5S 1V6 • Tel: (905) 677-9221 • Fax: (905) 677-0023

Mouse anti-HCV NS-4 Monoclonal Antibody [5D4/10E7] Datasheet

Catalogue No	MO-I40016D
Product name	Mouse anti-HCV NS-4 monoclonal antibody [5D4/10E7]
Clone No	5D4/10E7
Product type	Primary antibodies
Description	Mouse monoclonal antibody (MAb) to human HCV non-structural protein NS-4, Protein G affinity purified
Target protein	Human Hepatitis C Virus non-structural protein NS-4
Immunogen	Synthetic polypeptide in which overlapping sequences of at least 90 residues in length were selected from the immunodominant NS-4 regions of Chinese HCV strains.
Specificity	The MAb reacts with synthetic NS-4a Protein, and Recombinant Chimeric HCV Polyprotein.
Cross-reactivity	No cross-reaction with HCV Capsid region and other non-structure region.
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	<p>ELISA: React with human Hepatitis C Virus.</p> <p>Western Blot: Concentration of 0.5 ug/ml MAb will allow visualization of 0.5 ug/lane of synthetic NS-4 peptide and 0.1 ug/lane recombinant Chimeric HCV polyprotein.</p> <p>Immunohistochemistry: Immunoperoxidase -avidin-biotin (ABC) assay for Formalin-fixed paraffin embedded tissue section using diluted MAb. The dilution of MAb should be tested based on your working system. (The protocol of immunohistochemistry is available up request).</p>
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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