



Anti-HCV Core Protein Monoclonal antibody, Clone C057M (DMAB3551)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Hepatitis C Virus (HCV) Core Antigen. Reactive with genotypes 1a and 2.
Target	HCV Core Protein
Immunogen	Recombinant HCV core antigen, genotype 1a
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	HCV
Clone	C057M
Affinity Constant	Not determined
Purification	90% pure. Protein A chromatography
Conjugate	Unconjugated
Applications	<p>Suitable for use in ELISA and IFA. Does not work in Western blot. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.</p> <p>Recommended pairs for sandwich immunoassay:</p> <ul style="list-style-type: none"> • Capture DMAB3551 DMAB3550 • Detection DMAB3560

[DMAB3551](#)

Suggested pair for testing (Capture - Detection): DMAB3551 - [DMAB3560](#)

Format	Purified, Liquid
Concentration	100ug/ml (OD280nm, E0.1%= 1.3)
Size	1 mg
Buffer	0.01M PBS, pH 7.2. Product contains no stabilizing proteins.
Preservative	0.1% Sodium Azide
Storage	Upon receipt, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction

The hepatitis C virus (HCV) core protein represents the first 191 amino acids of the viral precursor polyprotein and is cotranslationally inserted into the membrane of the endoplasmic reticulum. Hepatitis C virus (HCV) core is a viral structural protein; it also participates in some cellular processes, including transcriptional regulation. However the mechanisms of core-mediated transcriptional regulation remain poorly understood. Hepatitis C virus (HCV) core protein is thought to contribute to HCV pathogenesis through its interaction with various signal transduction pathways. In addition, HCV core antigen is a recently developed marker of hepatitis C infection. The HCV core protein has been previously shown to circulate in the bloodstream of HCV-infected patients and inhibit host immunity through an interaction with gC1qR.

Keywords

Core protein p19; HCV core antigen; HCV core protein; Hepatitis C Virus core protein; Hepatitis C Virus Core Antigen; Hepatitis C virus; HCV; Flaviviridae; Hepacivirus; Hepatitis C virus