



Anti-HCV Core Protein Monoclonal antibody, Clone 12-C4 (DMAB3561)

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

PRODUCT INFORMATION

Specificity	HCV Core Antigen (amino acids 70-90)
Target	HCV Core Protein
Immunogen	Recombinant HCV core antigen (genotype 1b)
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	HCV
Clone	12-C4
Affinity Constant	Not determined
Purification	Protein G chromatography
Conjugate	Unconjugated
Applications	Suitable for use in ELISA (~10 ⁻⁶), Western blot (1:1,000) and IHC (cryostat liver sections 1:20). 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.
Format	Purified, Liquid
Concentration	1mg/ml
Size	100 µg

Buffer	1X PBS, pH 7.2
Preservative	0.01% Sodium Azide
Storage	Short term (up to 2 months) store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction	<p>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.</p>
Keywords	<p>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</p>