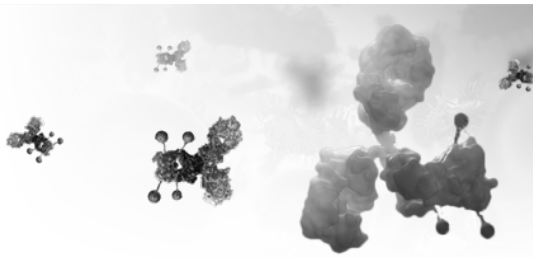

# Anti-HCV Core Protein Monoclonal antibody, Clone 7B2 (DMAB3555)

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

## PRODUCT INFORMATION

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| **Specificity** | HCV core antigen. Recognizes 1-80 amino acid residues of HCV core antigen. |
| **Target** | HCV Core Protein |
| **Immunogen** | Recombinant Protein |
| **Isotype** | IgG2a |
| **Source/Host** | Mouse |
| **Species Reactivity** | HCV |
| **Clone** | 7B2 |
| **Affinity Constant** | Not determined |
| **Purification** | Protein A chromatography |
| **Conjugate** | Biotin |
| **Applications** | Suitable for use in ELISA and immunohistochemistry (frozen sections only). 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. |
| **Concentration** | 1mg/ml |
| **Size** | 100 µg |
| **Buffer** | 1X PBS, pH 7.2 |
| **Preservative** | 0.01% Sodium Azide |

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| **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

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| **Introduction** | Thehepatitis C virus (HCV) core protein represents the first 191 amino acids ofthe viral precursor polyprotein and is cotranslationally inserted into themembrane of the endoplasmic reticulum. Hepatitis C virus (HCV) core is aviral structural protein; it also participates in some cellular processes,including transcriptional regulation. However the mechanisms of core-mediatedtranscriptional regulation remain poorly understood. Hepatitis C virus (HCV)core protein is thought to contribute to HCV pathogenesis through itsinteraction with various signal transduction pathways. In addition, HCV coreantigen is a recently developed marker of hepatitis C infection. The HCV coreprotein has been previously shown to circulate in the bloodstream ofHCV-infected patients and inhibit host immunity through an interaction withgC1qR. |
| **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 |

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