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HCV NS3, Biotin

Catalog #:HCPS-251

For research use only.

Description: The E.coli derived recombinant Biotin Labeled protein contains the HCV NS3 immunodominant regions, a.a. 1450-1643, 22 kDa. The Biotin labeled protein is fused with b-galactosidase (114 kDa) at N-terminus.

Purity:HCV NS3 Biotin labeled protein is >95% pure as determined by 10% PAGE (coomassie staining).

Purification Method:
HCV NS3 Biotin labeled protein was purified by proprietary chromatographic technique.

Specificty:
Reactivity with human HCV positive serum undetermined.

Formulation:
8M urea, 20mM Tris-HCl pH 8.0, 10mM b-mercaptoethanol.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Applications:
HCV NS3 Biotin labeled antigen is suitable for ELISA and Western blots, excellent antigen for detection of HCV with minimal specificity problems.

Introduction:
HCV is a small 50nm, enveloped, single-stranded, positive sense RNAvirus in the family Flaviviridae. HCV has a high rate of replication with approximately one trillion particles produced each day in an infected individual. Due to lack of proofreading by the HCV RNA polymerase, the HCV has an exceptionally high mutation rate, a factor that may help it elude the host's immune response. Hepatitis C virus is classified into six genotypes(1-6) with several subtypes within each genotype. The preponderance and distribution of HCV genotypes varies globally. Genotype is clinically important in determining potential response to interferon-based therapy and the required duration of such therapy. Genotypes 1 and 4 are less responsive to interferon-based treatment than are the other genotypes (2, 3, 5 and 6).

Storage:
HCV NS3 Biotin althoµgh stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

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