

Recombinant HCV 19kD NS4 Protein

Cat. No. HCVNS4-142H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	HCV
Source	E.coli
Description	NS4 fragment - 130 aminoacids of HCV polyprotein expressed in the E. coli expression system. MW: approx. 20kD. This protein binds to murine monoclonal antibodies specific for HCV NS4 protein. NS4 protein shows strong binding to HCV converted human serum polyclonal antibodies.
Molecular Mass	20 kD
Purity	> 95 % by SDS-PAGE
Applications	In-Vitro HCV Diagnostics; Western Analysis.
Notes	Recommended concentrations for use are approximate values. Dilute the antigen preparation at least 10 to 20-fold in PBS for solid phase antigen-antibody titration assays. A dose dependent response assay should be performed to determine the optimal concentration for use in specific applications. HCV core protein shows relatively strong binding specificity for HCV-specific human antibodies. ELISA and Western ELISA require protein in 10ng range depending on the nature and affinity of the secondary detection reagent. HCV converted human

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serum polyclonal antibodies yield titers of 1:10, 000 or greater at 100ng of immobilized protein under standard ELISA conditions.

Stability

At least 24 months at -75 centigrade.

Storage

Store at -75 centigrade.

Dilutions

20mM Tris, pH8.0, 10mM Beta ME, 4M Urea

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