



Hep E (S-13): sc-69657

BACKGROUND

Hepatitis is a gastroenterological disease characterized by malaise, joint aches, abdominal pain, jaundice and inflammation of the liver. Hep E (hepatitis E) is a member of the *Flaviviridae* family and is spread through fecal contamination of food and water supplies. The Hep E virion is a round, non-enveloped, isometric capsid with a diameter of 27-34 nm. Within the capsid lies a single-stranded, positive-sense RNA genome of approximately 4.5 kb. Hep E contains an RdRp (RNA-directed RNA polymerase) catalytic domain, which is essential for viral replication, as well as the synthesis of an RNA strand that is complementary to the template. Hep E is the primary cause of transmitted non-A, non-B viral hepatitis (ET-NANBH). Hep E infection generally affects young adults and has a mortality rate of 20% in women who are more than six months pregnant.

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SOURCE

Hep E (S-13) is a mouse monoclonal antibody raised against a chimeric polyprotein corresponding to at least 30 amino acids of the ORF3 region of Chinese Hep E strains.

PRODUCT

Each vial contains 100 µg IgM in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Hep E (S-13) is recommended for detection of Hep E by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with Hep C NS3 and Hep C NS4.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.