

Product datasheet for **DM1060P**

Hepatitis E Virus / HEV Mouse Monoclonal Antibody [Clone ID: S-13]

Product data:

Product Type:	Primary Antibodies
Clone Name:	S-13
Applications:	ELISA
Recommended Dilution:	ELISA.
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	A highly antigenic polypeptide consisting of essential sequences at least 30 residues in length which were selected from gene encoding ORF3 region of a Chinese HEV strain.
Specificity:	Reacts with Human Hepatitis E virus (HEV) antigen. No reactivity with HCV-S, HCV-NS3, HCV-NS4.
Formulation:	State: Purified State: Lyophilized purified IgG fraction.
Reconstitution Method:	Double distilled water is recommended to adjust the final concentration to 1.0 mg/ml.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
Storage:	Upon receipt store at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.



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Background:

Hepatitis E is a viral hepatitis (liver inflammation) caused by infection with a virus called hepatitis E virus (HEV). HEV is a positive-sense single-stranded RNA icosahedral virus with a 7.5 kilobase genome. HEV has a fecal-oral transmission route. It is one of five known hepatitis viruses: A, B, C, D, and E. The HEV genome is approximately 7200 bases in length, is a polyadenylated single-strand RNA molecule that contains three discontinuous and partially overlapping open reading frames (ORFs) along with 5' and 3' cis-acting elements, which have important roles in HEV replication and transcription. ORF1 encode a methyltransferase, protease, helicase and replicase; ORF2 encode the capsid protein and ORF3 encodes a protein of undefined function. The hepatitis E virus causes around 20 million infections a year. These result in around three million acute illnesses and 70,000 deaths annually. It is particularly dangerous for pregnant women, who can develop an acute form of the disease that is lethal in 20 per cent of cases. The virus (HEV) is a major cause of illness and of death in the developing world and disproportionate cause of deaths among pregnant women.