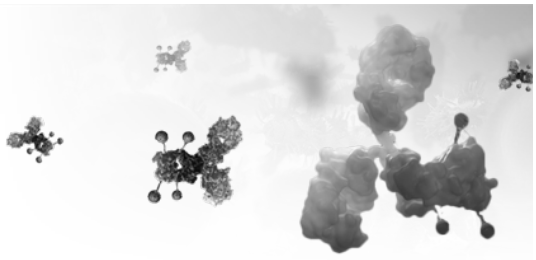

# Mouse Anti-HEV Capsid Monoclonal antibody, clone 272 (CABT-CS095)

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

## PRODUCT INFORMATION

| | |
|---|---|
| **Specificity** | Reacts with the capsid protein of HEV. |
| **Target** | HEV Capsid |
| **Immunogen** | Recombinant truncated capsid protein (amino acids 112–608) of HEV (genotype 3) |
| **Isotype** | IgG1 |
| **Source/Host** | Mouse |
| **Species Reactivity** | HEV |
| **Clone** | 272 |
| **Purification** | Affinity-purified with Protein A |
| **Conjugate** | unconjugated |
| **Applications** | WB, IF, IC, ELISA |
| **Format** | Liquid |
| **Concentration** | 1 mg/mL |
| **Size** | 100 µg |
| **Buffer** | PBS, 50% glycerol |
| **Preservative** | None |
| **Storage** | Ship at 4°C and store at -20°C. |

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# BACKGROUND

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|---|---|
| **Introduction** | Hepatitis E virus (HEV) is a single-strand positive-sense RNA virus in the family Hepeviridae. The disease caused by HEV is an important public health problem in developing countries. A molecular phylogenetic analysis classifies HEV into four major genotypes (genotype 1-4). The genome HEV consists of about 7200 bases and contains three discontinuous and partially overlapping open reading frames (ORFs). ORF1 encodes a methyltransferase, protease, helicase and replicase; ORF2 encodes the capsid protein and ORF3 encodes a protein of undefined function. The viral capsid protein induces neutralizing antibodies, and contains three subdomains, S (aa112-319), M (aa 320-456) and P (aa 457-608). Recombinant HEV-VLP is composed of approximately 53 kDa, smaller capsid protein subunit. |
| **Keywords** | HEV Capsid; HEV; HEV Capsid Protein |

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