

## Anti-HBeAg [E6] Standard Size Ab00732-1.1

This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgG format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG1, Kappa

**Clone Number:** E6

**Alternative Name(s) of Target:** HBV E-antigen; Hepatitis B Envelope Antigen

**UniProt Accession Number of Target Protein:** N/A

**Published Application(s):** cross-competition assay, crystallization, Mab: RIA, serum protein electrophoresis. Fab

**Published Species Reactivity:** Hep B

**Immunogen:** This antibody was produced by immunizing BALB/c and SJL/Olac mice with HBeAg derived by denaturing human liver HBcAg. The subsequent production of the Fab is not detailed.

**Specificity:** This antibody defines the e-antigen determinant HBe-β, and is specific for unassembled dimers. Two copies of the antibody are able to bind captured HBeAg dimers, indicating two accessible epitopes per dimer. E6 binding is inhibited by other members of the e-β-reactive group of Mabs, namely e4, e8 and e9.

**Application Notes:** This Fab forms a stable complex with the recombinantly-expressed HBeAg dimer. Consequently, this antibody can be used to facilitate the crystallization of the complex, and the establishment of its structure (DiMattia, 2013).

**Antibody First Published in:** Ferns et al. Monoclonal Antibodies to Hepatitis Be Antigen (HBeAg) Derived from Hepatitis B Core Antigen (HBcAg): Their Use in Characterization and Detection of HBeAg The Journal of general virology, May 1984, Vol.65 ( Pt 5), pp.899-908 [PMID:6202830](#)

**Note on publication:** Ferns et al (1984) describes the original production of murine e6, along with a panel of other anti-HBeAg Mabs, for use in the characterisation of HBeAg.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.