



## Japanese encephalitis virus E protein ectodomain polyclonal antibody

Catalog: NCP0143P

Host: Rabbit

Reactivity: JEV-E

### BackGround:

Japanese encephalitis virus (JEV) is the most important cause of epidemic encephalitis worldwide, with an estimated 35,000 to 50,000 cases and 10,000 deaths annually. The virus is a member of the JE serogroup of the genus Flavivirus, family Flaviviridae, and is transmitted between vertebrate hosts by mosquitoes, principally by *Culex tritaeniorhynchus*. Other important members of the same serogroup of flaviviruses include West Nile virus (WNV), which has recently spread to cause outbreaks of encephalitis in North America, St. Louis encephalitis virus (SLEV), Kunjin virus (KUNV), and Murray Valley encephalitis virus (MVEV). Like other flaviviruses, JEV consists of a small (50 nm) glycoprotein-containing lipid envelope surrounding a nucleocapsid which encloses one molecule of single-stranded positive-sense RNA. This 11-kb molecule comprises 5'- and 3'-untranslated regions (UTRs), between which lie a single open reading frame carrying genes for three structural proteins (capsid [C], premembrane [PrM], and envelope [E]) and seven non-structural (NS) proteins

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

### Molecular Weight:

### Swiss-Prot:

EF571853.1

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:2000

ELISA: 1:5000~10000

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Japanese encephalitis virus E protein ectodomain polyclonal antibody detects endogenous levels of JEV-E protein.

### DATA:

### Note:

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

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