



Anti-Dengue virus particle, Rabbit-Polyclonal Antibody

Catalog No. PG-10003

Quantity: 250 μ l

Applications: Immunofluorescence

Antigen species: Dengue virus type II

Reactivity: Dengue viruses type I, II, III, IV

Host species: Rabbit

Form: Ammonium sulphate precipitated antibody

Target description

Dengue viruses are mosquito borne flaviviruses that induced lethal dengue hemorrhage fever in tropical and subtropical world.

Antigen

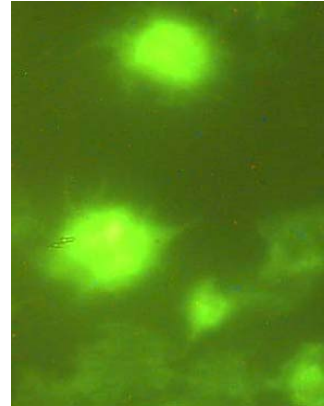
Viral particles from C6/36 (mosquito cell line) amplified dengue type II virus.

Application

The antibody specificity was assayed by immunofluorescence with the dengue viral infected BHK-21 cells. It has not been tested in the other applications. However, for the first testing, we recommend 1/1,000 dilution for ELISA, 1/500 dilution for Western blot analysis (WB) of recombinant protein, 1/100 dilution for tissue extracts or cell lysates, 1/100 dilution for immunohistochemistry (IHC) staining on frozen cryosections or paraffin embedded sections.

Related Products

1. Anti-Influenza A Virus Matrix Protein M1, pAb (GB-10083).
2. Anti-Japanese encephalitis virus, rabbit pAb (PG-10004).



Immunofluorescence staining of dengue type II infected BHK-21 cells (noted that not every cells are infected)

Immunofluorescence Protocol

1. Cultured cells were fixed with 4% paraformaldehyde 1 X PBS, and then permeable by 4% paraformaldehyde 1 X PBS plus 0.1% TritonX-100.
2. Block with 5%BSA/PBS for 1 hour at RT.
3. Wash blot with 1 X PBS 3 times.
4. Add anti-dengue polyclonal antibody (100 \times). Incubate for 1 hour at RT.
5. Wash blot with 0.05% TBST 3 X 15 minutes.
6. Add appropriate amount of correct secondary antibody, goat anti-rabbit antibody conjugated with HRP). Incubate for 1 hour at RT.
7. Wash blot 3 X 15 minutes with 0.05% TBST at RT.
8. Add HRP substrate and develop.

Storage

It is supplied as lyophilized ammonium sulphate precipitated. Redissolve the lyophilized powder with 250 microliter sterile water will restore the original condition. Store at 4°C for short term application. For long-term storage, aliquot and store at -20°C.

References

1. Hsin-Hou, Chang, Jyh-Hwa, Kau, You-Ming, Wang, Der-Shan, Sun, Szecheng, J.Lo., 2003. Cell-adhesion and morphological changes are not sufficient to support anchorage-dependent cell growth via non-integrin-mediated attachment. *Cell Biology International* 27,123-133.