Anti-Varicella Zoster Virus (VZV) gH antibody, mouse monoclonal (OAKK39)

65-363 100 µg

Storage: Shipped at 4℃ or -20℃, and upon arrival, spin-down and store at -20℃.

Applications

1. Imunofluorescence staining and Immunocytochemistry (1/1,000)
2. Immunoprecipitation (Assay dependent)
3. Neutralization of infectivity of VZV

Not suitable for western blotting and ELISA

Immunogen: Varicella-zoster virus Oka vaccine strain

Specificity: Reacts with gH of VZV

Isotype: mouse IgG1 kappa

Product: Produced by hybridoma grown in serum-free medium and purified by proprietary chromatography

Form: 1 mg/ml in PBS, 50% glycerol, filter sterilized. Azide- and carrier-free.

Background:

Varicella Zoster Virus (VZV) is one of eight herpesviruses known to infect humans and vertebrates. VZV only affects humans, and commonly causes chickenpox in children, teens and young adults and herpes zoster (shingles) in adults and rarely in children. VZV is known by many names, including chickenpox virus, varicella virus, zoster virus, and human herpesvirus type 3 (HHV-3).

VZV infects the nerves, and causes a wide variety of symptoms. After the primary infection (chickenpox), the virus goes dormant in the nerves, including the cranial nerve ganglia, dorsal root ganglia, and autonomic ganglia. Many years after the patient has recovered from chickenpox, VZV can reactivate to cause a number of neurologic conditions

The heterodimer **glycoprotein H**-glycoprotein L is required for the fusion of viral and plasma membranes leading to virus entry into the host cell. Following initial binding of gD to one of its receptors, membrane fusion is mediated by the fusion machinery composed at least of gB and the heterodimer gH/gL. May also be involved in the fusion between the virion envelope and the outer nuclear membrane during virion morphogenesis

gH is consists of 841 amino acids with molecular mass of 94 kDa

Data Link: UniProt P09260 (GH_VZVD)

Reference: This antibody has not been used in publication yet.

Related Product: 65-350 anti-VZV IE62 antibody (clone 62A), 65-354 anti-VZV IE62 antibody (clone 62B) 65-358 anti-VZV gE antibody (clone #9)

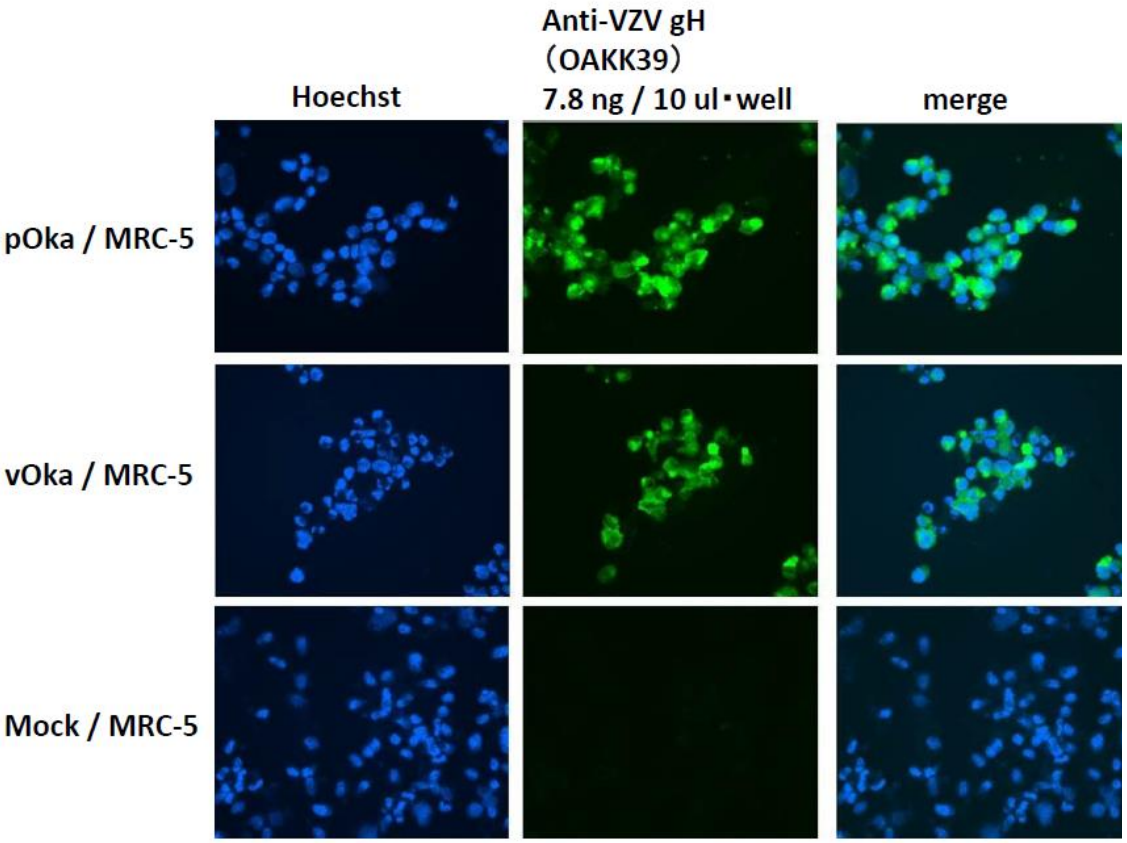

Figure. Immunofluorescence staining of VZV glycoprotein H in VZV-infected MRC-5 cells by using anti-VZV gH antibody (clone OAKK39). MRC-5 was infected with VZV pOka strain, vaccine strai vOka or mock-infected. Anti-VZV gH antibody was used at about 1/1,000 dilution. As second antibody, Alexa Fluor 488 donkey anti-mouse IgG [H+L] (Life Technology No. A21202) was used at 1/200 dilution. Nuclei were stained with Hoechst 33342.