

## Anti-HHV6 gQ2 antibody, mouse monoclonal (clone B)

65-203      100 µg

**Shipping and Storage:** Ship at 4°C and store at -20°C. Do not freeze below -20°C

**Immunogen:** Recombinant HHV6 gQ2

**Reactivity:** Reacts with HHV6A gQ2

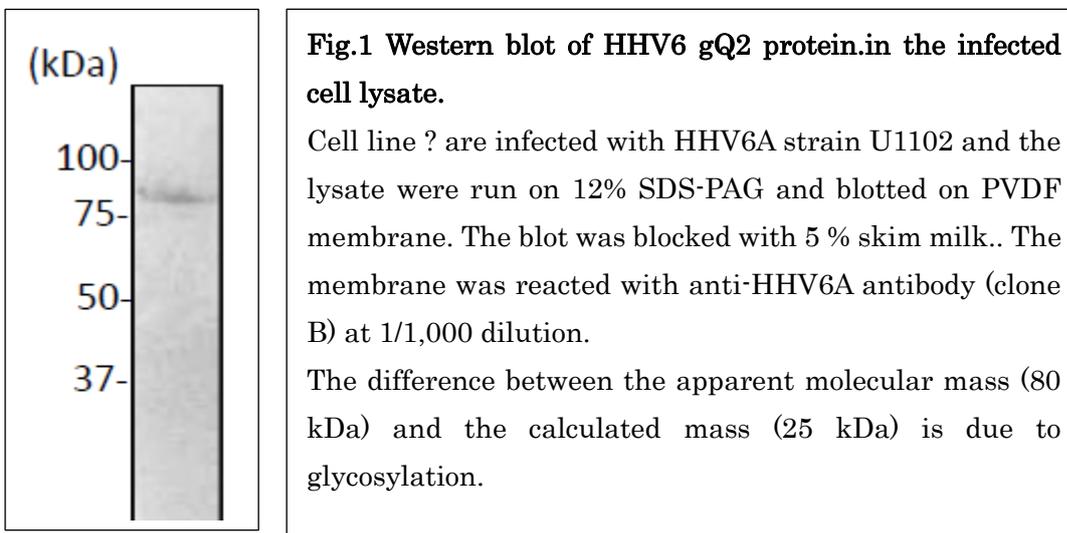
**Applications:**

1. Western blot (1/1,000-1/2,000)
2. Immuno-Precipitation
3. Immuno-Fluorescent staining

**Form:** 1 mg/ml. IgG, affinity-purified with Protein A, in PBS, 50% glycerol

**Background:** Plays a role in virus entry by participating in host receptor binding at the cell surface. Interacts with isoform gQ1. Associates with the glycoprotein complex gH-gL (PubMed:[15254169](#)). The gH/gL/gQ1/gQ2 complex binds to human receptor CD46 (PubMed:[24215487](#)). Calculated molecular mass is 25.1 kDa with 214 amino acids. The signal peptide 1-19 is removed in the mature form and it is glycosylated at four Asparagine sites by host cell.

**Data Link:** UniProtKB [P0DOE0](#) (GQ2\_HHV6U)



**References:** This antibody has been used in the following publications.

1. Tang H et al. Human herpesvirus 6 glycoprotein complex formation is required for folding and trafficking of the gH/gL/gQ1/gQ2 complex and its cellular receptor binding. *J Virol.* 2011 Nov;85(21):11121-30. PMID:[21849437](#)

2. Kawabara A et al. Analysis of a neutralizing antibody for human herpesvirus 6B reveals a role for glycoprotein Q1 in viral entry. [J Virol](#). 2011 Dec;85(24):12962-71. PMID: [21957287](#). **WB**
3. Jasirwan C et al. Human herpesvirus-6A gQ1 and gQ2 are critical for human CD46 usage. [Microbiol Immunol](#). 2014 Jan;58(1):22-30. PMID: [24215487](#) **WB**

**Related Products:**

- [65-200](#) Anti-HHV6A gQ1 antibody mouse monoclonal (119)
- 65-202 Anti-HHV6 gQ2 antibody, mouse monoclonal (4-2)
- [65-210](#) Anti-HHV7 gH antibody, mouse monoclonal (2)