

## Anti-HHV6 gQ2 antibody, mouse monoclonal (4-2)

65-202 100 µg

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

**Immunogen:** HHV6A Virion.

**Reactivity:** Reacts with HHV6A and HHV6B gQ2

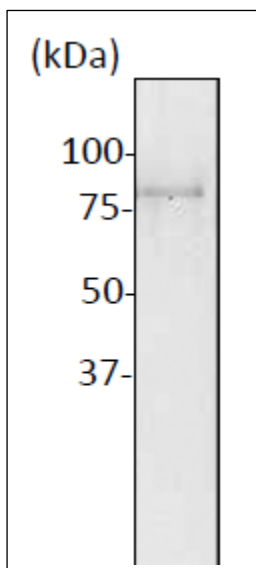
### Applications:

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

**Form:** 2 mg/ml. IgG, affinity-purified with Protein A.

**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)



**Fig.1 Western blot of HHV6 gQ2 protein.in the infected cell lysate.**

Cell line ? are infected with HHV6A strain U1102 and the lysate were run on 12% SDS-PAG and blotted on PVDF membrane. The blot was blocked with 5 % skim milk.. The membrane was reacted with anti-HHV6A antibody (clone 4-2) at 1/1,000 dilution.

The difference between the apparent molecular mass (80 kDa) and the calculated mass (25 kDa) is due to glycosylation.

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

- 1.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

2. 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)

65-203 Anti-HHV6 gQ2 antibody, mouse monoclonal (clone B).

[65-210](#) anti-HHV7 gH antibody, mouse monoclonal (clone 2)