

Ab289

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Overview

The Anti-JUNV GP1 monoclonal antibody specifically recognizes the receptor-binding domain (GP1) of the JunÃn virus glycoprotein complex (GPC). Developed in mice immunized with recombinant JUNV GP1, this antibody exhibits high affinity (KD $\approx$ 42 nM) and potent neutralizing activity (IC₅₀ = 11 ng/ml) by targeting the transferrin receptor-1 (TfR1) binding site on GP1.

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Applications: ELISA; FACS, Immunoprecipitation, Immunohistochemistry, neutralization

Antigen/Gene or Protein Targets: GP1 from JUNV

Reactivity: Human

Host: Chimera: constant domains $\approx$ Human, Variable domains $\approx$ Mouse

Immunogen: portions of GP1 from JUNV (amino acids 77 to 246 of GPC) (see publication for details).

Subclass: IgG1

Molecular weight (in kDa): ~150kDa

References

Borenstein-Katz A, Shulman A, Hamawi H, Leitner O, Diskin R. Differential Antibody-Based Immune Response against Isolated GP1 Receptor-Binding Domains from Lassa and JunÃn Viruses. Dutch RE, ed. J Virol. 2019;93(8). [doi:10.1128/JVI.00090-19](https://doi.org/10.1128/JVI.00090-19) [1]

