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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Junin virus GP1 [GD01] Standard Size Ab03676-2.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted mouse IgG2a Fc Silent™ antibody, based on the original mouse IgG2a format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2a, [Fc Silent™](#), Kappa

Clone Number: GD01

Alternative Name(s) of Target: JUNV GP1; GPC; Glycoprotein G1; Pre-glycoprotein polyprotein GP complex; Argentinian mammarenavirus; Pre-GP-C; GD01-AG02; J200

UniProt Accession Number of Target Protein: P26313

Published Application(s): IP, neutralize, WB, ELISA, IF

Published Species Reactivity: Junin mammarenavirus (JUNV)

Immunogen: The original antibody was generated by immunizing BALB/c mice with subcutaneous and intraperitoneal injection of a 1:1 emulsion of 20% (v/v) virus infected BALB/c suckling mouse brain (total brain homogenate in physiological saline, inactivated with γ irradiation) and Freund's complete adjuvant.

Specificity: This antibody binds an epitope in the hTfR1 binding site of the GP1 subunit of envelope glycoprotein of Junin virus (JUNV). Junin virus also known as Argentinian mammarenavirus is an arenavirus in the Mammarenavirus genus which causes Argentine Haemorrhagic Fever (AHF). Mammarenaviruses sporadically cause zoonotic infections in humans, which may lead to life-threatening viral haemorrhagic fever (VHF) disease. VHFs caused by arenaviruses are acute diseases with considerable mortality rates.

Symptoms are fever, malaise, headache, nausea, diarrhea, petechial hemorrhage of the soft tissues, lethargy, and irritability. Members of the Arenaviridae family are enveloped viruses with a bi-partite RNA genome coding for four viral proteins. The virus is spread through the aerosolization of host rodent excreta.

Application Notes: This antibody can bind GP1 of Junin virus (XJ45 strain) in an ELISA. This antibody was used for the indirect immunofluorescent staining of Junin virus infected Vero cells. This antibody reacts with Junin GP1 in immunoprecipitation and western blot. This antibody can also neutralize Junin virus in an in vitro assay (PMID: 2471803). This antibody shows potent neutralization of Candid #1 strain in a plaque neutralization assay (PMID: 27044104).

Antibody First Published in: Sanchez et al. Junin virus monoclonal antibodies: characterization and cross-reactivity with other arenaviruses. J Gen Virol. 1989 May;70 (Pt 5):1125-32. [PMID:2471803](#)

Note on publication: This paper describes the generation of antibodies against envelope protein and

nucleoprotein of Junin virus and determines their cross-reactivity against other Arenaviruses.

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.