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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Envelope glycoprotein H and L [rec-RC-IgG] Standard Size Ab04131-10.0

Isotype and Format: Human IgG1, Kappa

Clone Number: rec-RC-IgG

Alternative Name(s) of Target: gHgL; gH; gL; envelope glycoprotein H; envelope glycoprotein L; Varicella zoster virus; VZV; human herpesvirus 3; HHV-3; HHV3; Human alpha herpesvirus 3; Chickenpox; IgG-RC

UniProt Accession Number of Target Protein: Q775J3; Q9J3N1

Published Application(s): IP, neutralize, IHC

Published Species Reactivity: Varicella zoster virus (VZV)

Immunogen: The original antibody was isolated from circulating blood plasmablast of a 59-year-old VZV-seropositive man recently immunized with zoster vaccine Zostavax.

Specificity: This antibody targets the domain IV region of envelope glycoprotein B of the Varicella zoster virus (VZV) also known as the human herpesvirus 3 (HHV-3, HHV3) or Human alpha herpesvirus 3. This DNA virus from the herpes virus group can infect humans causing chickenpox in children and shingles (herpes zoster) in adults. Varicella is characterized by a maculopapular, vesicular rash that can be pruritic and evolves into dried crusts (scabs) over a 3- to 7-day period. Chicken pox is considered contagious beginning 1-2 days before rash onset until all lesions have crusted (scabbed).

Application Notes: This antibody was used for the immunohistochemical staining of fixed and unfixed VZV-infected and control human lung fibroblast cells. This antibody was also reported to neutralize VZV infection in a plaque reduction assay. The concentration of IgG that produced 50% plaque reduction was 0.6 µg/ml. This antibody was also used for the immunoprecipitation of VZV-infected cells (PMID: 23077312).

Antibody First Published in: Birlea et al. Human Anti-Varicella-Zoster Virus (VZV) Recombinant Monoclonal Antibody Produced after Zostavax Immunization Recognizes the gH/gL Complex and Neutralizes VZV Infection. J Virol. 2013 Jan; 87(1): 415-421. [PMID:23077312](#)

Note on publication: This paper describes the generation of a recombinant monoclonal antibody from the circulating blood plasmablast of a VZV-seropositive man immunized with zoster vaccine Zostavax.

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.