



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Envelope glycoprotein H; Envelope glycoprotein L [Fab-RC] Bulk Size Ab04452-10.3-BT

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 human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: Fab-RC

Alternative Name(s) of Target: gH; gL; ORF60; ORF37

UniProt Accession Number of Target Protein: Q775J3; Q9J3N1

Published Application(s): crystallography, IP, neutralization, SPR, IHC

Published Species Reactivity: Varicella-zoster virus

Immunogen: The original antibody was raised from the white blood cells of a human individual immunized with zoster vaccine.

Specificity: This antibody is specific for the combination of gH and gL and does not detect the proteins in isolation.

Application Notes: The original antibody was used for surface plasmon resonance on VZV gHgL. This antibody was used for a neutralization assay. Here is showed it was able to inhibit gB/gHgL-mediated membrane fusion. The structure of this antibody was determined using x-ray crystallography (Xing et al., 2015; PMID:25918416). This antibody was used for immunohistochemistry on fixed and unfixed VZV-infected and control HFL cells. This antibody was also used for a plaque reduction assay on VZV-infected HFL cells. Further this antibody was used for immunoprecipitation on VZV-infected and uninfected HFL cells (Birlea et al., 2013; 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: One week after immunizing a 59-year-old VZV-seropositive man with Zostavax, the original paper sorted his circulating blood plasma blasts and amplified expressed immunoglobulin variable domain sequences by single-cell PCR.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.