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Zuschläge

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Anti-Envelope glycoprotein H and L [94] Bulk Size Ab04130-23.0-BT

Isotype and Format: Rabbit IgG, Kappa

Clone Number: 94

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; VZ94; IgG-94

UniProt Accession Number of Target Protein: Q775J3; Q9J3N1

Published Application(s): IP, neutralize, ELISA

Published Species Reactivity: human herpesvirus 3 (HHV-3, HHV3), Varicella zoster virus (VZV)

Immunogen: The original antibody was isolated from a combinatorial library of human antibodies (AIMS4) using a phage-display system by panning the library against purified varicella-zoster virus (VZV) gH:gL complex.

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 reacted with gH and gL in an ELISA. This antibody was also capable of reacting with gH:gL complex and VZV-infected cells. This antibody was used for the immunoperoxidase staining of VZV-infected human embryonic lung (HEL) cells. This antibody neutralized wild strains without showing strain specificity. This antibody was also reported to prevent the spreading of virus infection. This antibody was also capable of immunoprecipitating gH and gL glycoproteins of VZV (PMID: 17457901).

Antibody First Published in: Suzuki et al. Isolation of therapeutic human monoclonal antibodies for varicella-zoster virus and the effect of light chains on the neutralizing activity. J Med Virol. 2007 Jun;79(6):852-62. [PMID:17457901](#)

Note on publication: This paper describes the isolation of therapeutic antibodies against varicella-zoster virus (VZV) from a combinatorial library of human antibodies using a phage-display system.

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.