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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-Vaccinia virus [G] Standard Size Ab02810-10.159

This chimeric human antibody was made using the variable domain sequences of the original VHH format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Human IgG1-Fc fusion

Clone Number: G

Alternative Name(s) of Target: Smallpox virus

UniProt Accession Number of Target Protein:

Published Application(s): ELISA

Published Species Reactivity: Vaccinia virus (strain Western Reserve)

Immunogen: The original antibody was isolated from a non-immune semisynthetic llama library constructed from blood samples (6 ml) collected from the left jugular vein of three research naïve mature llamas.

Specificity: This antibody is capable of detecting live vaccinia virus in a sample.

Application Notes: The binding specificity of this antibody towards vaccinia virus was checked using ELISA. It was reported that the original VHH antibody G retained ~40% of its activity after heating for 40min decreasing to around 3% of original activity after 80min (PMID:17165813).

Antibody First Published in: Goldman et al. Facile Generation of Heat Stable Antiviral and Antitoxin Single Domain Antibodies from a Semi-synthetic Llama Library. Anal Chem. 2006 Dec 15; 78(24): 8245-8255. [PMID:17165813](#)

Note on publication: A semisynthetic llama library was constructed from non-immune llamas and binders specific for live vaccinia virus (a smallpox virus surrogate), hen egg lysozyme, cholera toxin, ricin, and staphylococcal enterotoxin B were selected.

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.