SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

Anti-Poxvirus L1 Protein [Fab 7d11] Standard Size Ab00774-2.3

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

This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgG format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2a, Fc Silent™, Kappa
Clone Number: Fab 7d11
Alternative Name(s) of Target:
UniProt Accession Number of Target Protein:
Published Application(s): crystallization, PRNT, ELISA
Published Species Reactivity: Poxviruses
Immunogen: This antibody was raised against Poxvirus L1 Protein.
Specificity: This antibody is specific for a conformational epitope with Asp35 as the key residue on the poxvirus L1 protein. L1 is a myristoylated, transmembrane protein found on the surface of the mature virion that plays a key role in the formation of infectious virus. L1 is conserved in all orthopoxviruses, and its sequence is almost identical among vaccinia virus (VACV), Variola virus and monkeypox virus.
Application Notes: The ability of this antibody to bind vaccinia virus has been confirmed using ELISA (Su, 2007). Both full -length and fab fragemtns of mAb-7D11, are able to neutralize VACV infection in plaque reduction–neutralization tests. However, 7D11-Fab required over 100 times greater concentrations of protein to give a similar level of neutralization to 7D11-F(ab′)2, indicating that bivalency plays a role in the capacity of mAb-7D11 to efficiently neutralize VACV. Finally, as the fab forms a stable complex with L1 protein, it has been used in X-ray crystallography studies to understand the basis of the conformational specificity of mAb-7D11 recognition (Su, 2007).
Antibody First Published in: Su et al. Structural basis for the binding of the neutralizing antibody, 7D11, to the poxvirus L1 protein. Virology, 2007, Vol.368(2), pp.331-341 PMID:17688903
Note on publication: Describes the original generation of this Fab and its use in X-ray crystallography studies.

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4^{o}C for up to 3 months. For longer storage, aliquot and store at -20^{o}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.