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-Glycoprotein H [A13-d6.3] Bulk Size Ab00772-10.3-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 chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2b format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa
Clone Number: A13-d6.3
Alternative Name(s) of Target: d6.3; gH; Envelope glycoprotein H
UniProt Accession Number of Target Protein: A0A142I9U7
Published Application(s): crystalize, immunostaining, neutralize
Published Species Reactivity: pseudorabies virus (PrV)
Immunogen: d6.3 was generated by immunizing mice with PrV.
Specificity: d6.3 Fab fragment binds to the core fragment of the PrV glycoprotein H (gH) ectodomain (aa 107–639) which is the membrane-proximal end of the protein in the ΔgL-Pass PrV variant of PrV. The antibody contacts residues 332-373 (peripheral helices α6 and α7 of domain III of gH contribute most of the residues that form the epitope recognized by d6.3). PrV is a porcine herpesvirus belonging to the alpha-Herpesvirinae subfamily and is known to cause Aukeszky's disease in pigs. gH is a type I membrane portein and can interact non-covalently with gL via the large gH ectodomain.
Application Notes: d6.3 neutralizes the ΔgL-Pass PrV variant of PrV and can stain ΔgL-Pass PrV variant but not the wild-type PrV by immunostaining. The epitope of d6.3 is not blocked by the formation of the gH/gL heterodimer. The d6.3Fab fragment (obtained through papain digestion) can be complexed with the core fragment of the PrV glycoprotein H (gH) ectodomain (aa 107–639) for structural studies by crystallography.
Antibody First Published in: Backovic et al. Structure of a core fragment of glycoprotein H from pseudorabies virus in complex with antibody. Proc Natl Acad Sci U S A. 2010 Dec 28;107(52):22635-40 PMID:21149698
Note on publication: Describes the determination of the crystal structure of PrV gH complexed with d6.3 and the mode of antibody binding. The solved structure is also used to compare PrV gH with that of Epstein-Barr virus (EBV).

Product Form

Size: 1 mg Purified antibody in bulk size.
Purification: Protein A affinity purified
Supplied In: PBS only.
Storage Recommendation: Store at 4ºC for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommed this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20ºC.
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.