



# 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

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## Anti-Major capsid protein L1 [A12A3] Standard Size Ab04421-3.3

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

This is a reformatted mouse IgG2b Fc Silent™ antibody, based on the original mouse IgG2b format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG2b, [Fc Silent™](#), Kappa

**Clone Number:** A12A3

**Alternative Name(s) of Target:** L1; ORF putative L1; Major capsid protein L1

**UniProt Accession Number of Target Protein:** P26535

**Published Application(s):** crystallography, SPR

**Published Species Reactivity:** Human papillomavirus 58

**Immunogen:** The original version of this antibody was raised by immunizing a mouse with HPV58 and HPV59 VLPs.

**Specificity:** This antibody is specific for the DE loops of two adjacent HPV58 L1 monomers.

**Application Notes:** The original version of this antibody was used for surface plasmon resonance on HPV58 and HPV59 pentamers. The structure of the antibody was determined using x-ray diffraction. Further the structure of the antibody was determined using cryo-EM (Zhihai et al., 2017; PMID:28951471).

**Antibody First Published in:** Li et al. Crystal Structures of Two Immune Complexes Identify Determinants for Viral Infectivity and Type-Specific Neutralization of Human Papillomavirus mBio. 2017 Sep 26;8(5):e00787-17. [PMID:28951471](#)

**Note on publication:** The original paper shows that the epitopes of A12A3 are clustered in the DE loops of two adjacent HPV58 L1 monomers, whereas 28F10 recognizes the HPV59 FG loop of a single monomer.

### 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.