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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Major capsid protein L1 [A12A3] Bulk Size Ab04421-3.3-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 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: 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.