



# SZABO SCANDIC

Part of Europa Biosite

## 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 [H16.1A] Bulk Size Ab04465-1.29-BT

This is a Fab fragment with a his-tag.

**Isotype and Format:** Mouse Fab fragment, His-Tagged, Kappa

**Clone Number:** H16.1A

**Alternative Name(s) of Target:** L1; Human papillomavirus type 16

**UniProt Accession Number of Target Protein:** P03101

**Published Application(s):** in vitro, neutralization, SPR

**Published Species Reactivity:** Human papillomavirus

**Immunogen:** The original antibody was raised by immunizing a BALB/c mouse with HPV-16 or HPV-18 L1 VLPs.

**Specificity:** This antibody is specific for a conformational epitope covering amino acids 266–297 and 339–365.

**Application Notes:** The fab version of this antibody was used a neutralization assay, in short both a pre- and post-virus attachment assay was performed on 293TT cells with pseudo virus. The structure of this antibody was determined using cryo-EM (Guan et al., 2015; PMID:25996608). This antibody was used for surface plasmon resonance on virus like particles (Towne et al., 2013; PMID:23159495). This antibody was used for an ELISA on HPV-16 L1wt VLPs. This antibody was used for a neutralization assay on HPV-16 pseudo virions, in short the antibody was incubated with HPV-16 pseudo virions, then an attempt was made to infect cervical carcinoma C33A cells with the mixture. This antibody showed some neutralization (Christensen et al., 2001; PMID:11878901).

**Antibody First Published in:** Christensen et al. Surface Conformational and Linear Epitopes on HPV-16 and HPV-18 L1 Virus-like Particles as Defined by Monoclonal Antibodies *Virology*. 1996 Sep 1;223(1):174-84.

[PMID:8806551](#)

**Note on publication:** The original paper generated a panel of 24 monoclonal antibodies (MAbs) against human papillomavirus (HPV) types 16 and 18 L1 virus-like particles (VLPs).

### Product Form

**Size:** 500 µg Purified antibody in bulk size.

**Purification:** Purified by Immobilized Metal Affinity Chromatography

**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.