ARG56108
anti-HPV16 L1 antibody [CamVir-1]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [CamVir-1] recognizes HPV16 L1
Tested Reactivity	HPV
Tested Application	ICC/IF, IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	CamVir-1
Isotype	IgG2a, kappa
Target Name	HPV16 L1
Species	Virus
Immunogen	Human papilloma virus type 16, major capsid protein L1.
Conjugation	Un-conjugated
Alternate Names	Major capsid protein L1

Application Instructions

Cross Reactivity Note: Virus (HPV-16)

Application table

Application	Dilution
ICC/IF	0.5 - 1 µg/ml
IHC-P	0.5 - 1 µg/ml

Application Note: IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Citrate buffer (pH 6.0) for 10-20 min, followed by cooling at RT for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

	before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	L1
Gene Full Name	major capsid L1 protein
Function	Forms an icosahedral capsid with a T=7 symmetry and a 50 nm diameter. The capsid is composed of 72 pentamers linked to each other by disulfide bonds and associated with L2 proteins. Binds to heparan sulfate proteoglycans on cell surface of basal layer keratinocytes to provide initial virion attachment. This binding mediates a conformational change in the virus capsid that facilitates efficient infection. The virion enters the host cell via endocytosis. During virus trafficking, L1 protein dissociates from the viral DNA and the genomic DNA is released to the host nucleus. The virion assembly takes place within the cell nucleus. Encapsulates the genomic DNA together with protein L2. [UniProt]
Cellular Localization	Nuclear

Images

ARG56108 anti-HPV16 L1 antibody [CamVir-1] IHC-P image

Immunohistochemistry: Formalin-fixed, paraffin-embedded Human cervix stained with ARG56108 anti-HPV16 L1 antibody [CamVir-1].