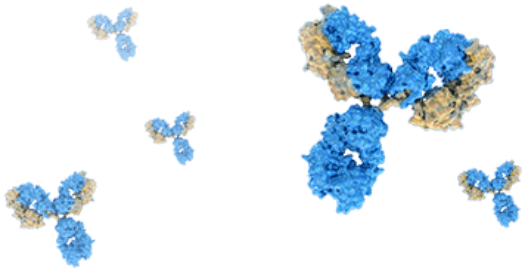

AibGenesis™ ViroAb™ Mouse Anti-HPV16/18/31/33/51/58 L2 Recombinant Antibody (XX0654)

Cat. No.: VRS-0224-YT381
This product is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Overview

Target	L2
Specificity	This antibody reacts with L2 of Human Papillomavirus.
Clone	XX0654
Host Species	Mouse
Antibody Isotype	IgG1
Species Reactivity	Human papillomavirus 16; Human papillomavirus 18; Human papillomavirus 31; Human papillomavirus 33; Human papillomavirus 51; Human papillomavirus 58

Product Properties

Immunogen	HPV16 L2 protein
Epitope	Amino acids 67-72 of the HPV16 L2 protein
Purification	Protein A or G affinity chromatography
Concentration	1 mg/mL, please specify if any other requirements.

Packaging, Storage & Formulations

Form	Liquid, please specify if lyophilized powder is required.
Formulation	PBS (pH 7.4) without any preservative, please specify if any additional requirements.
Preservative	Preservative-free, please specify if any additional requirements.
Storage	Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles. Refer to the COA file for specifics.

Applications

Application	ELISA; IB; IA; WB; Neut
Application Notes	ELISA: 1:100 The optimal working dilutions should be determined by the end user.

Other Product Details

Type	Primary Antibody
Clonality	Monoclonal
Related Disease	Human papillomavirus (HPV) infection
ProAb	NeutAb

Virus Details

Virus Classification	Double-stranded DNA virus
Virus Family	*Papillomaviridae*
Virus Subfamily	*Firstpapillomavirinae*
Virus Genus	*Alphapapillomavirus*
Species	*Alphapapillomavirus 9*
Accession number	K2718
Virus Abbrev	HPV16
Virus Name	Human papillomavirus 16
Virus Alternatives Names	Alphapapillomavirus 9; Alpha-PV9; Human papillomavirus; HPV; Human papillomavirus 16; HPV16
Genome Composition	dsDNA

Target

Introduction	Minor protein of the capsid that localizes along the inner surface of the virion, Once the virion enters the host cell, L2 escorts the genomic DNA into the nucleus by promoting escape from the endosomal compartments and traffic through the host Golgi network. Mechanistically, the C-terminus of L2 possesses a cell-penetrating peptide that protrudes from the host endosome, interacts with host cytoplasmic retromer cargo and thereby mediates the capsid delivery to the host trans-Golgi network. Plays a role through its interaction with host dynein in the intracellular microtubule-dependent transport of viral capsid toward the nucleus. Mediates the viral genome import into the nucleus through binding to host importins.
Target Alternative Names	L2 minor capsid protein L2, Human papillomavirus type 16, HPV16 L2 protein

Gene ID	1489081
UniProt ID	P03107