

Human HPV16 L1 Ab ELISA Kit | L1 elisa kit

HPV16 L1 Ab human ELISA Kit

CATALOG #
AAA59138REACTIVITY
Human

PRODUCT SYNONYMS

HPV16 L1 Ab; HPV16 L1 Ab human ELISA Kit; Human HPV16 L1 antibody (Qualitative); L1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	505
Samples	Serum, plasma or cell culture supernatant
Preparation and Storage	Store at 2-8 degree C for 6 months, at -20 degree C for 12 months.

ADDITIONAL INFORMATION

Related Product Information for L1 elisa kit

Principle of the Assay: This kit was based on indirect enzyme-linked immune-sorbent assay technology. The recombinant HPV16 L1 antigens were pre-coated onto 96-well plates. The test samples were added to the wells and incubated subsequently, the HPV16 L1 antibodies in the test samples combined to the pre-coated antigens specifically, then followed by washing with wash buffer to remove unspecific components. And the HRP conjugated antibodies were added and incubated to bind to human antibodies in plate, the unbound conjugates were washed away with wash buffer. TMB substrate were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. Read the O.D. absorbance at 450 nm in a microplate reader.

Background/Introduction: Papillomaviridae is an ancient taxonomic family of non-enveloped DNA viruses, collectively known as papillomaviruses. Antibodies to HPV16 proteins are associated with increased risk for HPVOPC. Among patients with OPC, HPV16 Abs are associated with tumor HPV status, in particular among HPV positive patients with no or little smoking history. The amino (N) terminus of the human papillomavirus (HPV) minor capsid protein L2 can induce low-titer, cross-neutralizing antibodies. Immunization with HPV16 L1-HPV16 L2 (chimera 17-36) VLP in adjuvant applicable for human use induces broad-spectrum neutralizing antibodies against HPV types evolutionarily divergent to HPV16 and thus may protect against infection with mucosal high-risk, low-risk, and beta HPV types and associated disease.

NCBI AND UNIPROT INFORMATION

NCBI GI #	978128213
UniProt Accession #	P03101; O00530
Molecular Weight	56,278 Da
NCBI Official Full Name	Major capsid protein L1
UniProt Protein Name	Major capsid protein L1
UniProt Gene Name	L1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

