

# Anti-HPV16 E1/E4 [TVG 403]

**Catalogue number:** 151166

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Peter Beverley

**Institute:** University of Cambridge

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-HPV16 E1/E4 [TVG 403]

**Alternate name:** Fucosyltransferase 4; Galactoside 3-L-Fucosyltransferase; ELAM-1 Ligand Fucosyltransferase; FUC-TIV; FCT3A; ELFT; Stage-Specific Embryonic Antigen; Alpha (1,3) Fucosyltransferase; EC 2.4.1.65; Lewis X; SSEA-1; FUTIV; CD15; LeX

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** TVG 402 and TVG 403 were the first antibodies against HPV16 E1 & E4 and should complement those already available to E7 and L1 for the screening of frozen sections of clinical biopsies. They will be of value in monitoring the progress of HPV infection from benign lesions to invasive cancer.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1

**Reactivity:** Human papilloma virus

**Selectivity:**

**Host:** Mouse

**Immunogen:** Antigen for hybridoma production was expressed as a b galactosidase fusion protein using the pEX expression system and was consequently cleaved to release the E1/E4 polypeptide.

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** HPV-16 E1/E4 (early proteins E1 and E4).

**Target alternate names:**

**Target background:** The human papilloma virus (HPV) family of DNA tumor viruses includes HPV-16 and HPV-18, which are associated with a large proportion of cervical cancer case. E1 and E2 are proteins involved in the regulation of viral DNA replication.

**Molecular weight:** 10 kDa

**Ic50:**

## Applications

**Application:** ELISA ; FACS ; IHC

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Cho et al. 2010. J Proteome Res. 9(11):5960-8. PMID: 20858014. ; Sialylated Lewis x antigen bearing glycoproteins in human plasma. ; Hogg et al. 1984. Immunology. 53(4):753-67. PMID: 6389324. ; Monoclonal antibodies specific for human monocytes, granulocytes and endothelium. ; Linch et al. 1984. Blood. 63(3):566-73. PMID: 6365201. ; Monoclonal antibodies differentiating between monocytic and nonmonocytic variants of AML. ; Beverley et al. 1980. Nature. 287(5780):332-3. PMID: 7421991. ; Isolation of human haematopoietic progenitor cells using monoclonal antibodies.

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