

## Anti-E-protein [DVC21] Standard Size Ab01015-13.12

Made with Antibody Sequences licensed from Humabs Biomed SA.

This reformatted human antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG4-S228P, Lambda

**Clone Number:** DVC21

**Alternative Name(s) of Target:** DENV EDIII; Dengue envelope protein domain III; E protein domain III; EDIII; DVC-21; DV 21; DV-21

**UniProt Accession Number of Target Protein:**

**Published Application(s):** NTRL, WB, ELISA, FC

**Published Species Reactivity:** DENV

**Immunogen:** Antibody DVC21 was isolated from peripheral blood mononuclear cells collected from a patient diagnosed with dengue infection.

**Specificity:** This antibody recognises domain III of the DENV envelope (E) protein. It has been shown that DVC21 is cross-reactive to all 4 DENV serotypes.

**Application Notes:** DVC21 has been used in cell-based assays and was shown to exhibit both neutralisation and antibody-dependent enhancing activity using primary human monocytes (Kou et al, 2011). This antibody has also been characterised as EDIII-specific by ELISA and Western blot (Beltramello et al, 2010).

**Antibody First Published in:** Kou et al. Human antibodies against dengue enhance dengue viral infectivity without suppressing type I interferon secretion in primary human monocytes Virology. 2011 Feb 5;410(1):240-7. [PMID:21131015](#)

**Note on publication:** Describes the characterisation of the role of 4 DENV-reactive mAbs in antibody-dependent enhancement of DENV infection.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. 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.