

Anti-Rabies Virus Glycoprotein [R16E5] Standard Size Ab02097-201.1

This chimeric dog 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: Dog IgG2 (IgG-B), Lambda

Clone Number: R16E5

Alternative Name(s) of Target: PV GP; PV; RABV; Site III; Glycoprotein; Rabies virus; strain Pasteur vaccins; Lyssavirus

UniProt Accession Number of Target Protein: P08667

Published Application(s): NTRL, WB, ELISA

Published Species Reactivity: Rabies Virus

Immunogen: The original antibody was generated from a heterohybridoma which was developed by fusing primary immune peripheral blood B-cells and a heteromyeloma cell line, K6H6/B5 and screening them against inactivated rabies virus antigen.

Specificity: This antibody recognizes and binds the antigenic site III of the rabies virus glycoprotein. However, it is not capable of binding the CVS-BHK strain of the rabies virus.

Application Notes: This antibody successfully binds and neutralizes the rabies virus glycoprotein of the PV, CVS-11, SAD and Flury LEP strains. It does not bind the CVS-BHK strain. The binding specificity of the antibody for rabies virus glycoprotein was confirmed with ELISA and western blotting. This antibody in combination with another murine anti-rabies antibody M5B4 was used in the preparation of a diabody D06 (PMID: 20573881).

Antibody First Published in: Nimmagadda et al. Recombinant Diabody-Based Immunocapture Enzyme-Linked Immunosorbent Assay for Quantification of Rabies Virus Glycoprotein. Clin Vaccine Immunol. (2010); 17(8): 1261-1268. [PMID:20573881](#)

Note on publication: Describes the generation of a diabody using R16E5 as a parent antibody.

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.