Anti-Rabies Virus Glycoprotein [R16E5] Standard Size Ab02097-10.0

Isotype and Format: Human IgG1, 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^{0}C for up to 3 months. For longer storage, aliquot and store at -20^{0}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.