

## Anti-Rabies Virus Glycoprotein [R16E5] Bulk Size Ab02097-23.0-BT

This chimeric rabbit 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:** Rabbit IgG, 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:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:**

PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.