
Product Information

Contents: Affinity Purified baculovirus envelope gp64 protein

Catalog Number: 14-6991

Sizes: 50 ug, 100 ug, 500 ug

Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃

Storage Conditions: Store at 4°C.

Avoid repeated freeze/thaw cycles.

Clone: AcV1

Isotype: Mouse IgG2a

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
14-6991	Affinity Purified anti-baculovirus envelope gp64 protein	N/A	N/A	FC

Questions? Please consult our answers to frequently asked questions at <http://www.ebioscience.com/faq>.

Description

The AcV1 antibody reacts with the gp64 envelope protein of the baculovirus *Autographa californica* (AcMNPV).

Usage

For research use only, not for diagnostic or therapeutic use. The AcV1 antibody has been reported for use in flow cytometric analysis. This antibody can be used in identifying virally-infected insect cells.

Applications Tested

The AcV1 antibody has been tested by flow cytometry on baculovirus infected insect cells. This can be used at less than or equal to 1 µg per million cells in a 100 µl total staining volume. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

Cat. 14-4724 Affinity Purified Mouse IgG2a, K Isotype Control

References

Kumar, M., Bradow, B.P., and J. Zimmerberg. 2003. Large-scale production of pseudotyped lentiviral vectors using baculovirus GP64. *Hum Gene Ther* 14(1):67-77.

Hohmann, A. W. and P. Faulkner. 1983. Monoclonal antibodies to baculovirus structural proteins: determination of specificities by Western blot analysis. *Virology* 125(2): 432-44.

Volkman, L. E. and P. A. Goldsmith. 1988. Resistance of the 64K protein of budded *Autographa californica* nuclear polyhedrosis virus to functional inactivation by proteolysis. *Virology* 166(1): 285-9.

Blissard, G. W. and G. F. Rohrmann 1989. Location, sequence, transcriptional mapping, and temporal expression of the gp64 envelope glycoprotein gene of the *Orgyia pseudotsugata* multicapsid nuclear polyhedrosis virus. *Virology* 170(2): 537-55.

Plonsky, I., M. S. Cho, et al. (1999). An analysis of the role of the target membrane on the Gp64-induced fusion pore. *Virology* 253(1): 65-76.

