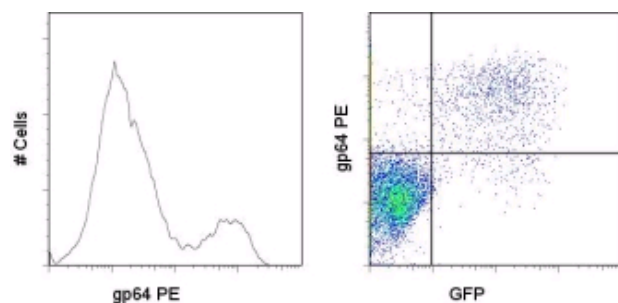


Anti-Baculovirus Envelope gp64 Protein PE

Catalog Number: 12-6991

Also Known As: BV gp64

RUO: For Research Use Only



Insect cells were infected with a GFP-expressing baculovirus and then harvested and stained after 72 hours. Staining with 0.125 μ g of Anti-Baculovirus Envelope gp64 Protein PE is presented as a histogram (left) and versus GFP (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Baculovirus Envelope gp64 Protein PE


REF Catalog Number: 12-6991

Clone: AcV1

Concentration: 0.2 mg/ml


Host/Isotype: Mouse IgG2a

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.

LOT Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The AcV1 monoclonal antibody reacts with the gp64 envelope protein of the baculovirus *Autographa californica* (AcMNPV). The gp64 envelope protein is essential for virus infectivity and is expressed on the surface of baculovirus-infected cells within six hours of infection. The AcV1 antibody can be used in flow cytometry-based viral titration experiments.

Applications Reported

This AcV1 antibody has been reported for use in flow cytometric analysis. This antibody can be used in identifying virally-infected insect cells and determining viral titers.

Applications Tested

This AcV1 antibody has been tested by flow cytometric analysis of baculovirus-infected insect cells. This can be used at less than or equal to 0.125 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Zhou J, Blissard GW. Mapping the conformational epitope of a neutralizing antibody (AcV1) directed against the AcMNPV GP64 protein. *Virology*. 2006 Sep 1;352(2):427-37.

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

Volkman LE, Goldsmith PA. Resistance of the 64K protein of budded *Autographa californica* nuclear polyhedrosis virus to functional inactivation by proteolysis. *Virology*. 1988 Sep;166(1):285-9.

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

Related Products

12-4724 Mouse IgG2a K Isotype Control PE

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