



Adenovirus hexon protein (1E11): sc-51746

BACKGROUND

Hexon protein is a major coat protein of adenoviruses. Adenovirus capsids have three principal protein components: the hexon, the penton and the fiber. Three hexon protein subunits join together forming two major adenoviral coat structures of differing symmetry. A triangular top with three towers of density is superimposed on a bulky pseudo-hexagonal base. The shape of the top is indicative of the trimeric composition of the structure, while that of the base imparts molecular function, which is to provide a densely packed impenetrable protective outer layer for the virion. Research indicates that the Adenovirus hexon protein may be a potent adjuvant for activation of a cellular immune response.

REFERENCES

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SOURCE

Adenovirus hexon protein (1E11) is a mouse monoclonal antibody raised against hexon antigen of Adenovirus origin.

PRODUCT

Each vial contains 100 µg IgG_{2a}/IgM in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Adenovirus hexon protein (1E11) is recommended for detection of hexon antigen of Adenovirus serotypes 1, 5, 8 and 27 of Adenovirus origin by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Molecular Weight of Adenovirus hexon protein: 117 kDa.

SELECT PRODUCT CITATIONS

- Page, M.A., Shisler, J.L. and Mariñas, B.J. 2010. Mechanistic aspects of adenovirus serotype 2 inactivation with free chlorine. *Appl. Environ. Microbiol.* 76: 2946-2954.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.