



Adenovirus hexon protein (8C4): sc-51748

BACKGROUND

Hexon protein is a major coat protein of adenoviruses. Adenoviruses capsids have three principal protein components: the hexon, the penton and the fiber. Hexon consists of three subunits together forming two major components of different morphological symmetry. A triangular top with three towers of density is superimposed on a more bulky pseudo hexagonal base. The symmetry of the top is in accord with the trimeric nature of hexon, but that of the base derives from the 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 (8C4) is a mouse monoclonal antibody raised against hexon antigen of Adenovirus.

STORAGE

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

PRODUCT

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

APPLICATIONS

Adenovirus hexon protein (8C4) is recommended for detection of hexon antigen of Adenovirus serotype 5 of Adenovirus origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1 µg per 1 x 10⁶ cells).

Molecular Weight of Adenovirus hexon protein: 117 kDa.

SELECT PRODUCT CITATIONS

- Valliyott, L., Dungdung, R. and Pilankatta, R. 2020. Semi-quantification of antibody-dependent enhancement (ADE) in the uptake of Adenovirus serotype 5 into THP-1 cells. *Anal. Biochem.* 591: 113568.
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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.