Adenovirus hexon protein (1461): sc-58086



The Power to Question

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 (1461) is a mouse monoclonal antibody raised against hexon antigen of Adenovirus origin.

PRODUCT

Each vial contains 100 $\mu g \; lg G_1$ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Adenovirus hexon protein (1461) is recommended for detection of Adenovirus hexon protein by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

Molecular Weight of Adenovirus hexon protein: 117 kDa.

SELECT PRODUCT CITATIONS

 Morioka, N., Zhang, F.F., Nakamura, Y., Kitamura, T., Hisaoka-Nakashima, K. and Nakata, Y. 2015. Tumor necrosis factor-mediated downregulation of spinal astrocytic connexin43 leads to increased glutamatergic neurotransmission and neuropathic pain in mice. Brain Behav. Immun. 49: 293-310.

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.

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