



Adenovirus hexon protein (1431): sc-58085

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 (1431) is a mouse monoclonal antibody raised against a cell extract infected with Adenovirus type 6.

PRODUCT

Each vial contains 100 µg IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Adenovirus hexon protein (1431) is recommended for detection of hexon group antigens from a variety of Adenovirus serotypes (1, 1a, 2, 2c, 3, 3a, 4, 5, 5a, 5b, 5c, 5d, 6, 7, 7a, 8, 9, 10, 11, 12, 12a, 14, 16, 18, 19, 20, 26, 31, 34, 35, 36, 37, 40 and 41) of Adenovirus origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

Molecular Weight of Adenovirus hexon protein: 117 kDa.

SELECT PRODUCT CITATIONS

1. Liu, M., Jiang, L., Cao, W., Wu, J. and Chen, X. 2022. Identification of Inhibitors and Drug Targets for Human Adenovirus Infections. *Viruses* 14: 959.

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.