

Monoclonal Antibody to Adenovirus Fiber (Monomer and Trimer)

Catalog No.:	DM3002
Quantity:	0.1 mg
Concentration:	0.2 mg/ml
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	4D2
Immunogen:	UV-irradiated Ad2 virus
Applications:	Immunofluorescence (1). Western Blotting (1). Recommended positive control: Adenovirus infected cells and tissues. Not suitable for Inhibition of Ad2 attachment (2). Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This Ab recognizes both monomers (62kDa) and trimers (180-200kDa), as judged by reactivity with both boiled (monomers only) and unboiled (both monomers and trimers) fiber on Western blots and by indirect immuno-fluorescence studies of cells infected with a temperaturesensitive Ad5 fiber mutant (H5ts142) which does not form trimers at the nonpermissive temp. at both 32 C and 39 C(1). Adenovirus capsid proteins (62 kD and 180-200 kD) are synthesized in the cytoplasm and transported to the nucleus for assembly into the virus particles. The three major capsid proteins (hexon, penton base, and fiber) are synthesized late in infection. Reacts with Adenovirus infected cells and tissues. Cellular Localization: nuclear.
Storage:	Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.
General Readings:	1. Hong JS, Engler JA. The amino terminus of the adenovirus fiber protein encodes the nuclear localization signal. Virology. 1991 Dec;185(2):758-67. PubMed PMID: 1962447. 2. Hong, J.S., En