

ARG62353
anti-Adenovirus Fiber monomer and trimer antibody [4D2]Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [4D2] recognizes Adenovirus Fiber monomer and trimer
Tested Reactivity	Virus
Tested Application	BL, FACS, ICC/IF, WB
Specificity	ARG62353 recognizes Ad2, Ad3, and Ad5 monomers in boiled samples and trimers in un-boiled (DTT, 2-ME free) samples.
Host	Mouse
Clonality	Monoclonal
Clone	4D2
Isotype	IgG2a
Target Name	Adenovirus Fiber monomer and trimer
Species	Virus
Immunogen	UV irradiated Ad2 virus
Epitope	N-terminal
Conjugation	Un-conjugated

Application Instructions

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Adenovirus infected cells and tissues

Properties

Form	Liquid
Purification	Protein A purified
Buffer	10mM PBS (pH 7.4), 0.2% BSA and 0.09% Sodium azide
Preservative	0.09% Sodium azide
Stabilizer	0.2% BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Database links [GeneID: 949185 Virus](#)

Background Adenovirus capsid proteins 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. Fiber plays a crucial role in adenovirus infection by attaching the virus to a specific receptor on the cell surface. Ad2 and Ad5 fibers are proposed to consist of three domains: an N terminal tail that interacts with penton base, a shaft composed of 22 repeats of a 15 amino acid segment that forms beta-sheet and beta-bends. A knob at the C terminus contains the type specific antigen and is responsible for binding to the cell surface receptor. It is shown that the fiber of Ad2 is most likely a trimer when found on the viron.

Research Area Microbiology and Infectious Disease antibody

Calculated Mw 62 kDa

Cellular Localization Nuclear