



Mouse anti-adenovirus 2 Early region 1 of the Adenovirus genome (E1A)

Product: Anti- 2 E1A monoclonal antibody

Description: The immunogen for the anti- 2 E1A was full length recombinant adenovirus 2 E1A protein. The early region (E1) of the adenovirus genome, responsible for transforming activity, is localized within the left most 11% of the viral genome and consists of two transcriptional units E1A and E1B. E1A is sufficient for partial transformation and immortalization of primary cells. E1A gene products are necessary for normal levels of transcription of the other early regions of the adenovirus genome during productive infection and are able to either activate or repress the transcription of specific cellular genes. E1A forms specific complexes with cellular proteins including p105 causing inhibition of the cell cycle inducing arresting function of p105. By immunoprecipitation, adenovirus 2E1A recognizes adenovirus 2 and 5 E1A proteins, 3 bands at 30-50kDa, as well as, E1A associated proteins. 293 cells can be used as positive control and HS27 cells as negative control.

Clone: M73, Isotype IgG2ak

Applications: Immunoprecipitation (1-2 ug/ml) and 2-5 ug/ml for Immunofluorescence.

Positive Control: 293 cells are human embryonic kidney cells that have been transformed with the adenovirus genes E1A and E1B, which are required for adenovirus propagation. This cell line can be used as a positive control for this antibody.

Presentation: 100 µg purified.

Formulation: Provided as 0.2 µm sterile filtered solution in phosphate buffered saline with 0.08% sodium azide.

Cross-Reactivity: Adenovirus-infected cells and tissue.

Storage: Antibodies should be stored at -20°C. Aliquot to avoid freeze/thaw cycles.

Stability: Antibodies are stable for one year from purchase if stored frozen.

Ordering Information:	Form	Vial Size	Catalog #
	Purified	100 µg	A200M

References:

- 1) Harlow E. et. al. (1986) Association of adenovirus early region 1A proteins with cellular peptides) Mol. Cell Biol., 6 1579-1589
- 2) Harlow, E. et. al. (1985) Monoclonal antibodies specific for adenovirus E1A proteins: extensive heterogeneity in the E1A products J. Virology 3: 533-546

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