

Adenovirus Hexon ELISA Kit

Adenovirus Hexon ELISA Kit

CATALOG #
AAA44703

REACTIVITY
Adenovirus

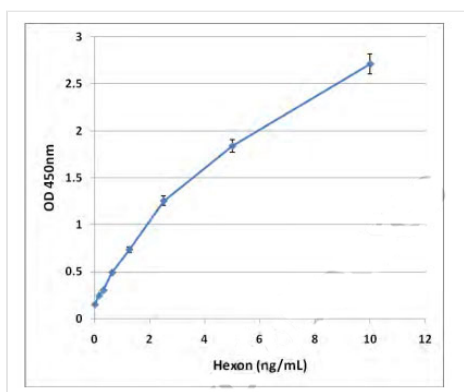
PRODUCT SYNONYMS

Adenovirus Hexon; Adenovirus Hexon ELISA Kit; Adenovirus Hexon elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Adenovirus
Detection Method	Colorimetric

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Adenovirus Hexon elisa kit

Background: Adenoviruses are non-enveloped viruses with icosahedral capsids of 90 to 100 nm in size containing a double stranded DNA genome ranging from 26 to 46 kb. Recombinant adenoviruses have been developed as gene delivery vectors for recombinant vaccines and gene therapy applications, including the treatment of metabolic disorders and cancers. Hexon is the largest and most abundant of the structural protein in the icosahedral adenovirus capsid. Each adenoviral particle contains 240 copies of the hexon trimer. The other two major capsid proteins, the penton base and fiber, form the penton complex at each virion vertex. The Adenovirus Hexon ELISA Kit is an enzyme immunoassay developed for detection and quantitation of the adenovirus hexon protein. The ELISA antibodies against adenoviral hexon protein recognizes all 51 serotypes of adenovirus. The kit has a detection sensitivity limit of 156 pg /mL hexon. Each kit provides sufficient reagents to perform up to 96 assays including standard curve and hexon samples.

Principle of the Assay: An anti-adenoviral hexon monoclonal coating antibody is adsorbed onto a microtiter plate. Adenoviral hexon present in the sample or standard binds to the antibodies adsorbed on the plate; an FITC-conjugated anti-hexon polyclonal antibody is added and binds to the hexon antigen captured by the first antibody. Following incubation and wash steps, a HRP-conjugated mouse anti-FITC antibody is added and binds to the FITC conjugated anti-hexon polyclonal antibody. Unbound HRP-conjugated mouse anti-FITC antibody is removed during a wash step, and substrate solution reactive with HRP is added to the wells. A colored product is formed in proportion to the amount of adenovirus hexon present in the sample. The reaction is terminated by addition of Stop Solution and absorbance is measured at 450 nm. A standard curve is prepared from hexon standard and sample hexon concentration is then determined.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/adeno-adenovirus-elisa-kits/adenovirus-hexon/44703>