

General Albumin (BCG) Assay Kit

Albumin (BCG) Microplate Assay Kit

CATALOG # AAA263942	REACTIVITY General	APPLICATIONS Functional Assay
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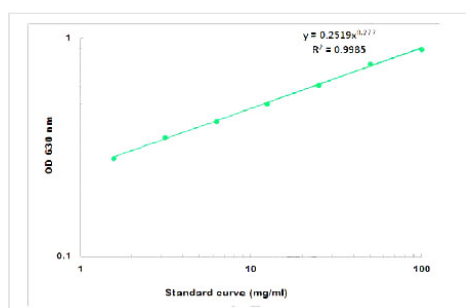
PRODUCT SYNONYMS

Albumin (BCG); Albumin (BCG) Microplate Assay Kit; Albumin (BCG) assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	The target sequence (hexon gene) has previously been shown to be a good genetic marker for Adenovirus in other real time PCR based studies (Hernroth et.al 2002). The primers and probe sequences in this kit have 100% homology with a broad range of clinically relevant reference sequences based on a comprehensive bioinformatics analysis.
Applicable Applications for Albumin (BCG) assay kit	FA (Functional Assay)
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Albumin (BCG) assay kit

Background/Introduction: Adenoviruses are medium-sized (60-90 nm), non-enveloped icosahedral viruses containing double-stranded DNA. Adenoviruses represent the largest nonenveloped viruses, because they are the maximum size able to be transported through the endosome (i.e. envelope fusion is not necessary). The virion also has a unique "spike" or fibre associated with each penton base of the capsid (see picture below) that aids in attachment to the host cell via the coxsackie-adenovirus receptor on the surface of the host cell. There are 51 immunologically distinct human adenovirus serotypes (6 species: Human adenovirus A through F) that can cause human infections ranging from respiratory disease (mainly species HAdV-B and C), and conjunctivitis (HAdV-B and D), to gastroenteritis (HAdV-F serotypes 40 and 41). Adenoviruses are unusually stable to chemical or physical agents and adverse pH conditions, allowing for prolonged survival outside of the body and water. Adenoviruses are primarily spread via respiratory droplets, however they can also be spread by fecal routes as well. The adenovirus genome is linear, non-segmented double stranded (ds) DNA which is around 30-38Kbp. This allows the virus to theoretically carry 30 to 40 genes. Although this is significantly larger than other viruses in its Baltimore group it is still a very simple virus and is heavily reliant on the host cell for survival and replication. An interesting feature of this viral genome is that it has a terminal 55 KD protein associated with each of the 5' ends of the linear dsDNA, these are used as primers in viral replication and ensure that the ends of the virus' linear genome are adequately replicated.

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.

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Online datasheet: <https://stage.aaabiotech.com/general-assay-kits/albumin-bcg/263942>