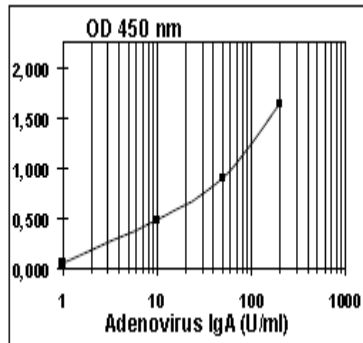


Human Anti-Adenovirus IgA ELISA Kit, Cat# 950-100-AHA

Human Anti-Adenovirus IgA ELISA kit | Qualitative/Semi-Quantitative | Reference standards | Sample=100 ul (diluted); 95 min assay



A typical standard curve for Human Anti-Adenovirus IgA (u/ml)

Human Anti-adenovirus IgA ELISA Kit Features

- Adenovirus antigens (hexon) Pre-coated, stabilized, ready-to-use 96-well strip plate, suitable for multiple runs over 6-9 months.
- Convenient, stable, Negative controls A (1 u/ml), Cut-off Std. B (10 u/ml), weak positive control C (50 u/ml) and positive controls D (200 u/ml) containing anti-adenovirus IgA
- 95 minute, 2 incubation step, room temp assay
- 100% clinical sensitivity; 100ul samples; 1:101 or more
- Qualitative (-ve or +ve) or semi-quantitative methods
- Contains all necessary reagents; Stability ~12 months

This kit is for measuring anti-adenovirus IgA in Human serum or plasma samples. For in vitro research use only.

PERFORMANCE CHARACTERISTICS

Intra-Assay-Precision 7.1 %
Analytical Sensitivity 1.04 U/mL
Linearity 71-122%

Inter-Assay-Precision 8.4 %

Inter-Lot-Precision 2.7-7.1%

Clinical Sensitivity 100 %

Recovery 79-102%

Cross Reactivity: No cross reactivity to Influenza A and RSV

Interpretation of Results: Negative (<8 u/ml) Equivocal (8-12 u/ml) Positive (>12 u/ml)

Expected Values (Apparently healthy subjects (n=51): Positive (8%); Negative (90.9%); Equivocal (1.1%)

Assay Procedure: Allow all reagents to reach room temperature. Arrange and label required number of strips.

- Step 1.** Pipet **100 ul each of pre-diluted standards**, samples (diluted 1:101 or diluted as required) and controls into wells. Mix gently and incubate at room temperature on orbital shaker for **45 min**.
- Step 2.** **Aspirate and wash** the plate 3 times. Add **100 ul of Anti-Human IgA-HRP Conjugate** to all wells, mix gently and incubate at room temperature for **30 min**.
- Step 3.** **Aspirate and wash** the plate 4X. Add **100 ul of TMB Substrate** solution to all wells, mix gently, and incubate at room temp. for **20 min**.
- Step 4.** Pipet **100 ul of stop solution** into each well and mix gently (blue color turns yellow). **Measure OD at A450 nm**. Determine anti-adenovirus IgA in each sample using the anti- adenovirus IgA calibrators. For a semi-quantitative method, the A450 of the standards and controls are graphically drawn against their concentration.

General Information

The adenovirus is an ubiquitous pathogen of humans and animals. Adenoviruses are characterized by location inside the cell nucleus, common complement-fixing antigens and marked stability to environmental effects. Adenoviruses are endemic in all populations throughout the year. The infection is spread both through the aerial-droplet route and the routes characteristic for intestinal infections. The incubation period is between five and seven days. Adenoviruses mainly infest respiratory and intestinal mucosa, but also the cornea. They are accumulated in the epithelial cells and regional lymph nodes. Adenoviruses cause the widest variety of illnesses of the known respiratory viruses. The adenovirus infection is the most frequently caused viral disease of the respiratory tract among preschool children (types 1- 5 and 7). Acute diseases of the upper respiratory tract occur predominantly. Pneumonia is the most severe form of adenoviral infection occurring mostly in infants below the age of one. Adenoviruses also cause outbreaks of swimming-pool associated pharyngo conjunctival fever in the summer and epidemics of kerato-conjunctivitis of both children and adults. The intestinal form of adenoviral infection occurs mostly in children below the age of one. An acute adenoviral infection can be detected by virus isolation and/or serology. The serologic tests are particularly important because they document actual infection in the patient and can be applied to large scale epidemiologic investigations. The CF and ELISA tests measure predominantly the antibodies directed against the group-specific determinants on the hexon component. The recommended tests for measuring type-specific antibodies are hemagglutinin inhibition and serum neutralization.

ADI Human Anti-Adenovirus IgA Antibody ELISA Test Kit has been designed for the detection of specific IgG class antibodies against Adenovirus in serum and plasma. **Additional kits are available for Adenovirus IgA antibodies.**

Related Items

Catalog#	ProdDescription		
950-100-AHA	Human Anti-Adenovirus IgA ELISA kit	950-110-AHG	Human Anti-Adenovirus IgG ELISA kit
950-120-AHM	Human Anti-Adenovirus IgM ELISA kit		
950-130-AMG	Mouse Anti-Adenovirus IgG ELISA kit	950-140-AMM	Mouse Anti-Adenovirus IgM ELISA kit
950-100-AHA-flr rev110321A			

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