

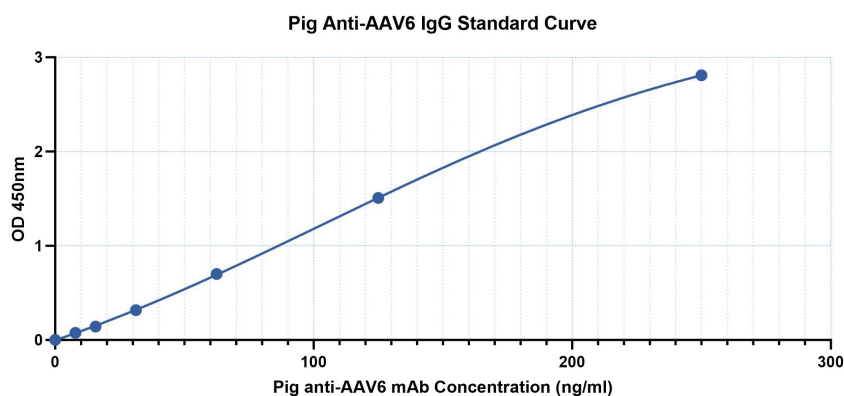
CD Creative Diagnostics®

Pig Anti-AAV6 Antibody ELISA Kit

Pigs exhibit high physiological similarity to humans across immune system development, antigen presentation mechanisms, complement pathways, metabolic characteristics, and lifespan, making them an ideal and cost-effective large animal model in preclinical research. Regulatory agencies, including the FDA, have explicitly recommended or accepted pigs as suitable large animal models in guidelines across multiple therapeutic areas (cardiovascular, ophthalmology, dermatology, and medical devices), with data generated from these models being acceptable to support regulatory submissions.

To meet this model demand, Creative Diagnostics has developed a quantitative ELISA kit for detecting porcine AAV6 IgG antibodies. This kit is designed for screening pre-existing AAV6 immunity and monitoring post-treatment antibody responses, thereby filling a critical tool gap between rodent and non-human primate models and supporting related research.

Key kit specifications are as follows:



Pig Anti-AAV6 Antibody ELISA Kit

| Pig anti-AAV6 mAb Concentration (ng/mL) | A450nm |
|-----------------------------------------|--------|
| 250 | 2.809 |
| 125 | 1.507 |
| 62.5 | 0.700 |
| 31.25 | 0.316 |
| 15.625 | 0.142 |
| 7.8125 | 0.075 |
| 0 | 0.002 |

$R^2 = 0.9983$

- **Standard Curve Range:** 0 - 500 ng/mL
- **Sample Type:** Porcine serum
- **Core Components:** Pre-coated strips, porcine anti-AAV6 monoclonal antibody standard, anti-pig IgG-HRP secondary antibody.
- **Validation Data:** Testing on archived porcine sera demonstrates good signal distribution characteristics.

Validate data - Precision

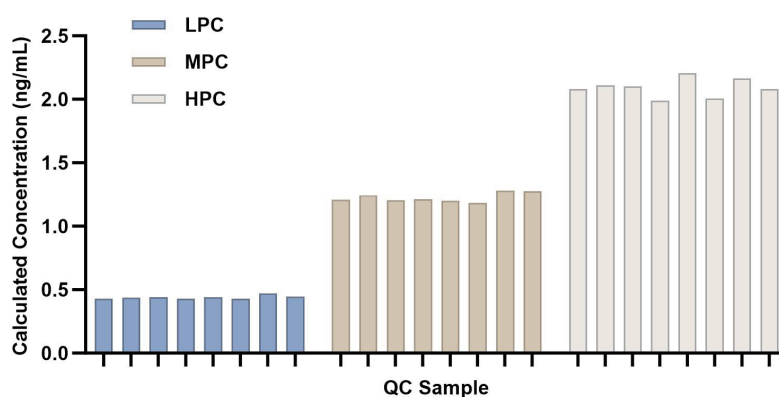


Figure 1 Calculated concentrations of QC samples for CV determination

Pig Anti-AAV6 Antibody ELISA Kit

Table 1 QC samples for CV determination

| Replication | LPC (ng/ml) | MPC (ng/ml) | HPC (ng/ml) |
|--------------------------------------|-------------|-------------|-------------|
| 1 | 0.4271 | 1.2083 | 2.0825 |
| 2 | 0.4362 | 1.2452 | 2.1125 |
| 3 | 0.4428 | 1.2025 | 2.1012 |
| 4 | 0.4293 | 1.2145 | 1.9894 |
| 5 | 0.4412 | 1.1984 | 2.2075 |
| 6 | 0.4293 | 1.1846 | 2.005 |
| 7 | 0.4698 | 1.2801 | 2.1664 |
| 8 | 0.4447 | 1.2778 | 2.0829 |
| CV (Coefficient of Variation) | | | |
| | 3.1% | 3.0% | 3.5% |

Validate data - Testing of archived pig serum

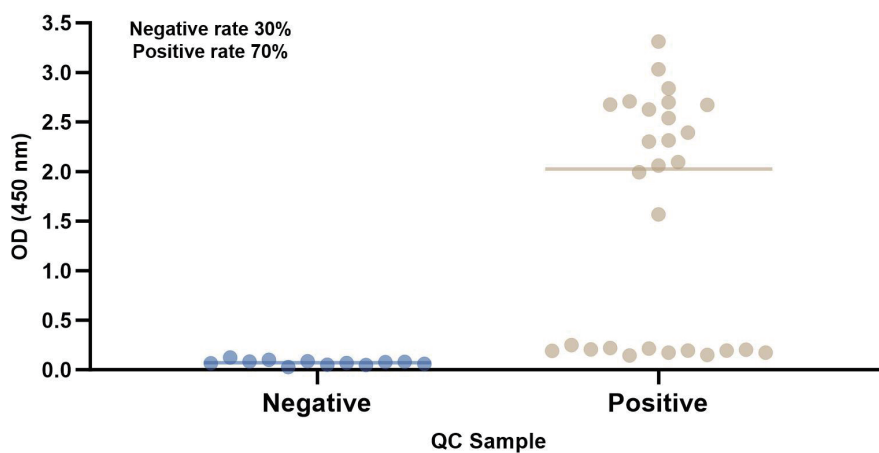


Figure 2 Distribution of Positive and Negative Test Samples

Pig Anti-AAV6 Antibody ELISA Kit

Table 2 Signal distributions across test samples

| | Number of test samples | Pig Anti-AAV6 Antibody ELISA Kit | | |
|----------------------------|------------------------|----------------------------------|----------|--------|
| | | Positive | Negative | Result |
| Pig Anti-AAV6-IgG Negative | 40 | 28 | 12 | 30% |
| Pig Anti-AAV6-IgG Positive | | | | 70% |

Applications:

- Screening AAV6-naive pig serum matrices to establish a reliable baseline
- Evaluating IgG antibody response kinetics following AAV6 gene therapy in pig models
- Serum sensitivity studies and comprehensive immunogenicity assessment
- Supporting safety evaluation of AAV6 vectors in pig-to-non-human primate xenotransplantation

Need detection kits for other AAV subtypes? Contact us with your requirements—additional porcine AAV antibody assays are currently in development.

| Cat | Product |
|------------|-----------------------------------------|
| DEIASL344P | GTCDx™ Pig Anti-AAV6 antibody ELISA Kit |