ARISTA BIOLOGICALS inc.
A FORTIS LIFE SCIENCES BRAND

LFA CONTROL REAGENTS

Consistent Quality. Proven Performance. Trusted by Diagnostic Manufacturers Worldwide.



Why Control Antibodies Are Critical

Control lines are the foundation of test validity in lateral flow assays, confirming that the assay is functioning properly, and results can be trusted. Developing robust control systems for your assay is often complicated by inconsistent or weak control line signals and batch-to-batch variability, which can lead to delays, inaccurate results, or costly redesign efforts.

Challenges in Control Line Development

- Variability in control line intensity impacting assay reproducibility.
- Lot-to-lot inconsistencies impacting assay performance.
- Development delays and lost revenue due to unreliable control reagents.

How Arista Biologicals Helps

Arista Biologicals provides a precision-engineered portfolio of control antibodies and antigens with high specificity and consistent quality, ensuring reliable and accurate performance in lateral flow assays so you can:

- ✔ Improve run-to-run reliability
- ✔ Streamline assay development
- ✔ Reduce troubleshooting
- ✔ Accelerate time to market

Real Results from Real Assays

Arista Biologicals control antibodies deliver consistent, robust control line signals that confirm reagent functionality and ensure precise, reliable assay performance. Activity of multiple control antibodies was assessed combinatorially with various colloidal gold conjugates (Figures 1, 2), highlighting specificity and compatibility critical for accurate diagnostic outcomes.

Figure 1. Specificity is demonstrated by the exclusive positive binding observed using Mouse IgG colloidal gold with no detectable cross-reactivity using Goat or Horse IgG colloidal gold conjugates.

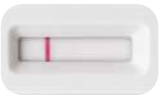
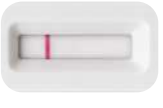
Control antibody striped at 1 mg/mL	Horse IgG gold AGEIG-0100 / CGEIG-0600	Goat IgG gold AGGIG-0100 / CGGIG-0600	Mouse IgG gold AGMIG-0100 / CGMIG-0600
DONKEY anti-Mouse IgG ABDAM-0500	C T  no binding	C T  no binding	C T  positive
GOAT anti-Mouse IgG ABGAM-0500	C T  no binding	C T  no binding	C T  positive
SHEEP anti-Mouse IgG ABSAM-0500	C T  no binding	C T  no binding	C T  no binding

Figure 2. Specific binding profiles of control antibodies against various IgG colloidal gold conjugates show high specificity, with each antibody demonstrating exclusive reactivity to its target IgG conjugate and minimal to no cross-reactivity with non-target conjugates.

Figure 2A. Donkey anti-Goat IgG (#ABDGG-0500) binds exclusively to Goat IgG gold conjugate (#CGGIG-0600) with no cross-reactivity seen for Mouse or Rabbit IgG.

Control antibody striped at 0.5mg/mL	Goat IgG gold AGGIG-0100 / CGGIG-0600	Mouse IgG gold AGMIG-0100 / CGMIG-0600	Rabbit IgG gold AGRIG-0100 / CGRIG-0600
Donkey anti-Goat IgG ABDGG-0500	 positive	 no binding	 no binding

Figure 2B. Goat anti- Horse IgG (#ABGAH-0500) selectively binds Horse IgG gold conjugate (#CGEIG-0600) only.

Control antibody striped at 0.5mg/mL	Horse IgG gold AGEIG-0100 / CGEIG-0600	Mouse IgG gold AGMIG-0100 / CGMIG-0600	Rabbit IgG gold AGRIG-0100 / CGRIG-0600
Goat anti-Horse IgG ABGAH-0500	 positive	 no binding	 no binding

Figure 2C. Goat anti-Rabbit IgG (#ABGAR-0500) shows distinct binding to Rabbit IgG gold conjugate (#CGRIG-0600) without cross-reactivity to Horse or Goat IgG.

Control antibody striped at 0.5mg/mL	Horse IgG gold AGEIG-0100 / CGEIG-0600	Goat IgG gold AGGIG-0100 / CGGIG-0600	Rabbit IgG gold AGRIG-0100 / CGRIG-0600
Goat anti-Rabbit IgG ABGAR-0500	 no binding	 no binding	 positive

Products

Control Antibodies

DESCRIPTION	CATALOG NUMBER
Goat anti-Chicken IgY	ABGAC-0500
Goat anti-Rabbit IgG	ABGAR-0500
Donkey anti-Goat IgG	ABDGG-0500
Goat anti-Mouse IgG	ABGAM-0500
Sheep anti-Mouse IgG	ABSAM-0500
Donkey anti-Mouse IgG	ABDAM-0500
Goat anti-Horse IgG	ABGAH-0500

Purified IgG / IgY

DESCRIPTION	CATALOG NUMBER
Chicken IgY	AGCIG-0100
Rabbit IgG	AGRIG-0100
Goat IgG	AGGIG-0100
Mouse IgG	AGMIG-0100
Horse IgG	AGEIG-0100
Human IgG	AGHIG-0100

Drive Your Assay Development Forward Today

Arista Biologicals offers a broad catalog of antibodies and antigens for assays in the areas of drugs of abuse, fertility, and infectious diseases. Contact us for samples, technical support, and custom solutions for your lateral flow assays.

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