

# BioActs ECL Kit

“Reliable and Sensitive HRP Detection for Western Blotting”

The BioActs ECL Kit delivers high-sensitivity detection for HRP-conjugated antibodies, achieving low to mid picogram-level protein detection with minimal background noise. Fast development and strong signal stability make it an ideal choice for routine Western blotting workflows.

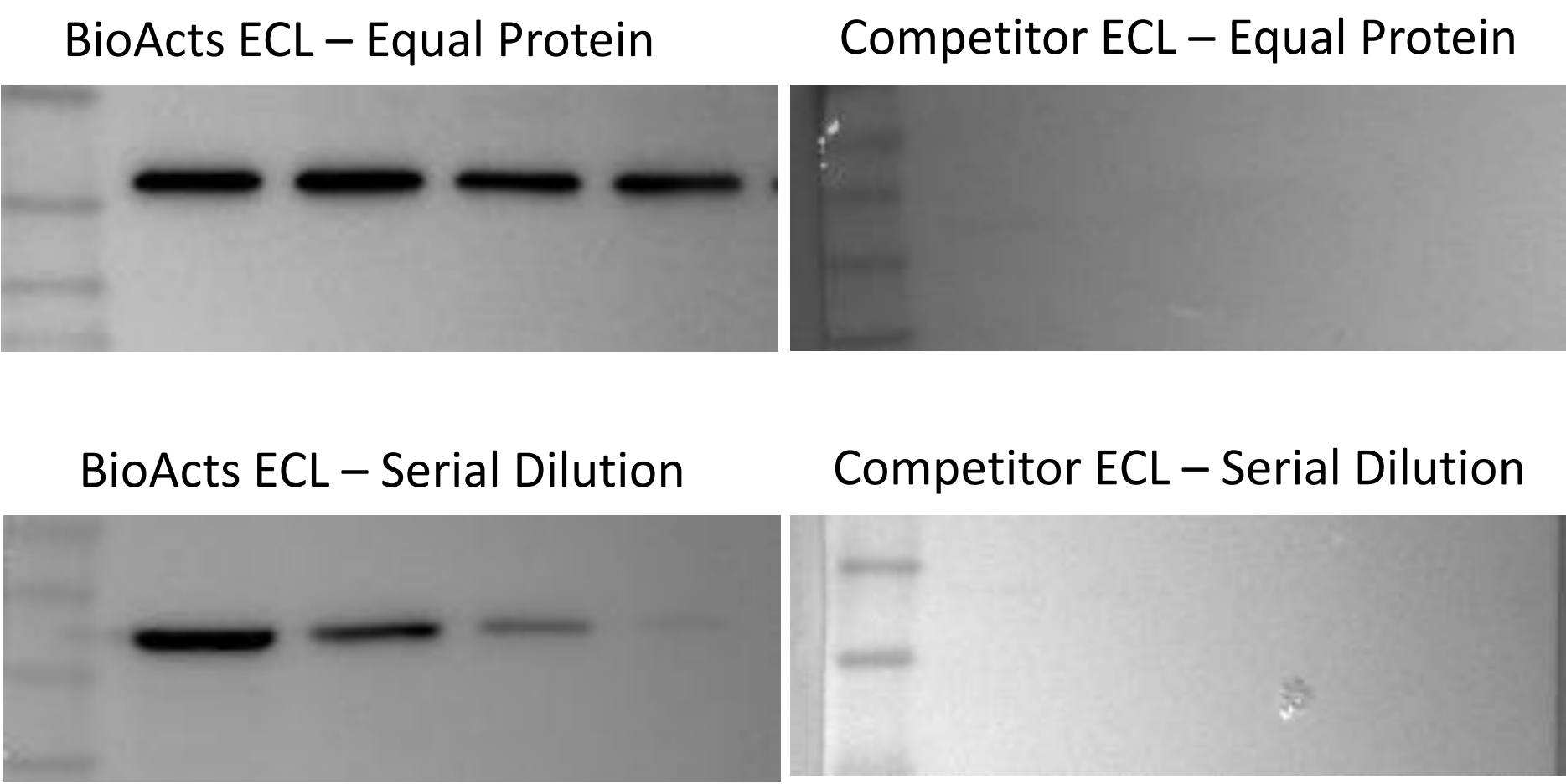


- High-sensitivity ECL substrate for HRP-conjugated antibodies
- Strong signal with low background
- Wide dynamic range for detecting both high and low abundance proteins
- Clear, rapid, and reproducible results
- Ideal for standard Western blotting applications
- Compatible with both X-ray film and CCD imaging systems
- Suitable for PVDF and nitrocellulose membranes

### Stronger signal, clearer bands

BioActs ECL Kit shows enhanced sensitivity and linearity compared to a leading competitor, even at low protein concentrations.

- 1<sup>st</sup> Ab:** β-Actin (Top), α-Tubulin (Bottom)
- 2<sup>nd</sup>Ab:** BioActs Goat anti-rabbit IgG–HRP (RSA1221)  
Goat anti-mouse IgG–HRP (RSA1122)



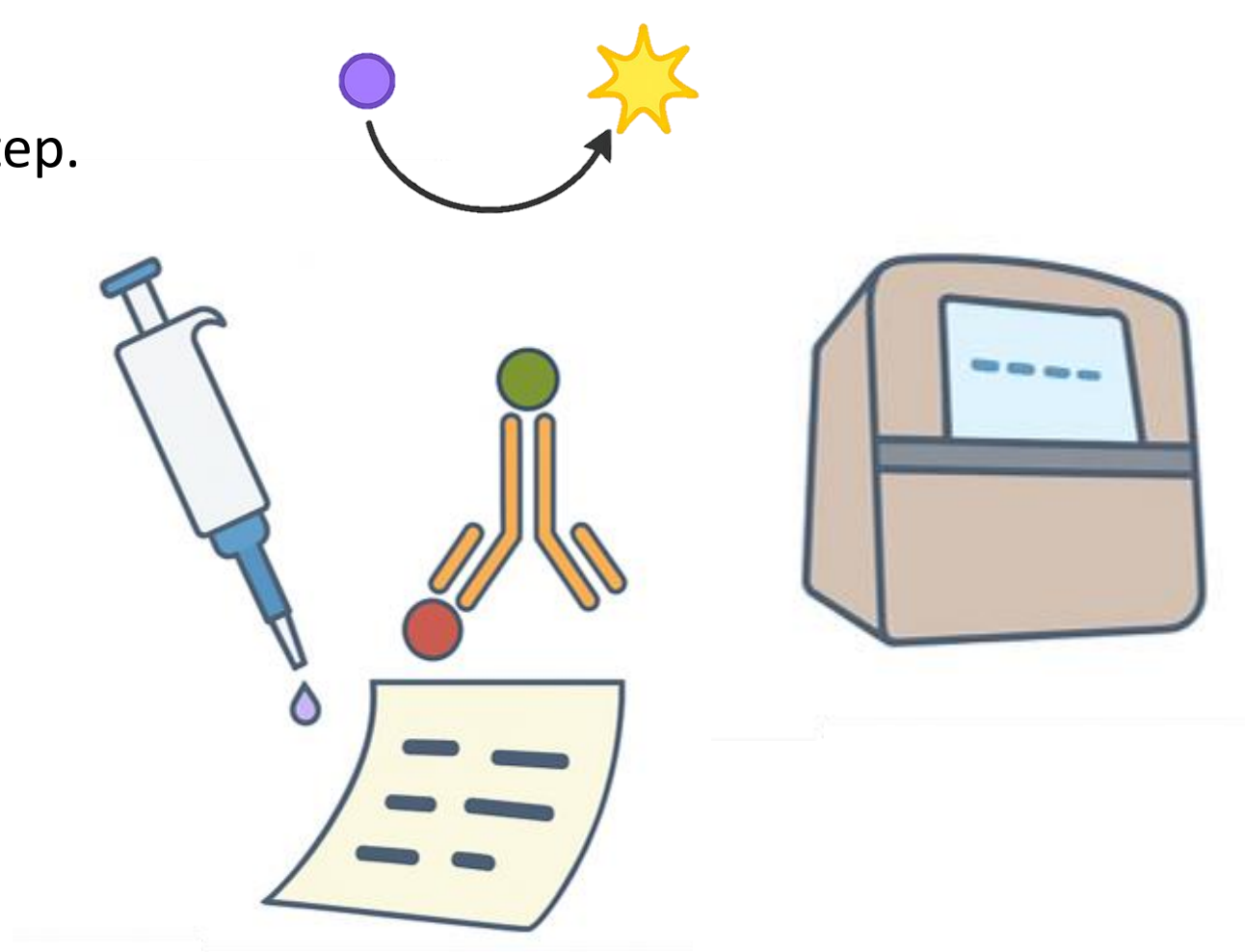
Exposure time: ≤ 2 seconds using CCD imaging system

| Catalog number | Product name    | Components                           | Application                | Sensitivity         | Price |
|----------------|-----------------|--------------------------------------|----------------------------|---------------------|-------|
| BAE0025        | BioActs ECL Kit | Reagent A (50mL)<br>Reagent B (50mL) | Western blotting detection | Low to mid picogram | \$ 35 |

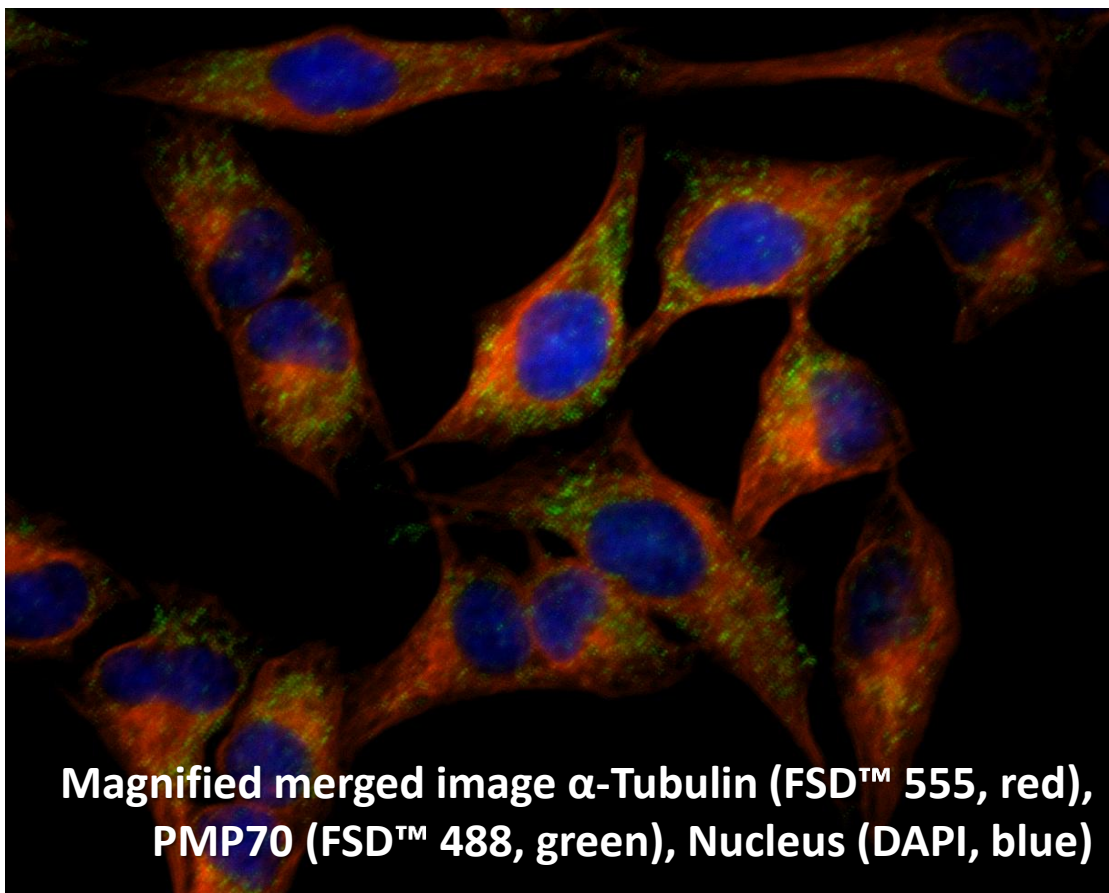
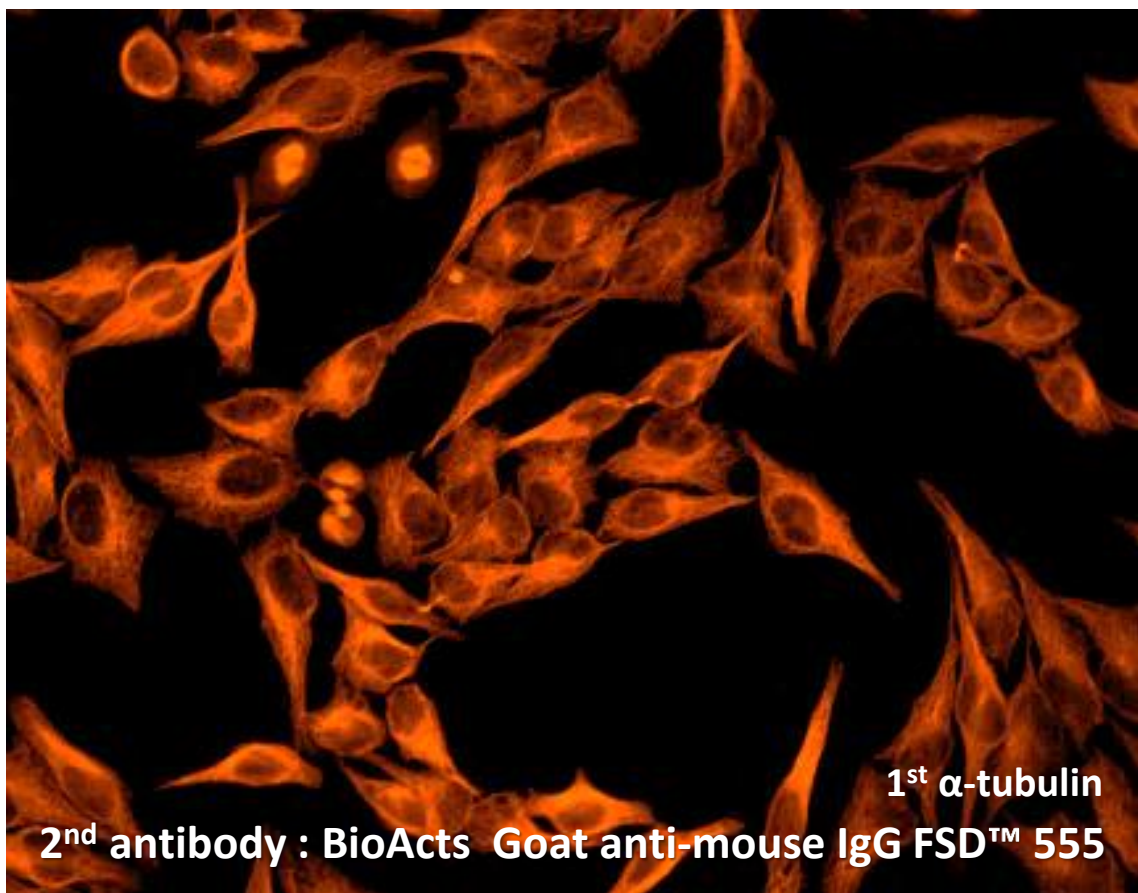
“We're here to help! Contact us anytime at [support@bioacts.com](mailto:support@bioacts.com)”

Detection Procedure

- 1. After blocking and antibody incubations, wash the membrane 3 times with TBST (5 min each) after 2<sup>nd</sup> antibody step.
- 2. Apply the mixed ECL substrate evenly over the membrane.  
Recommended volume: 0.1–0.5 mL/cm<sup>2</sup> of membrane surface
- 3. Incubate for 30 seconds to 1 minute at room temperature.  
Gently rock the membrane to ensure full coverage.
- 4. Image the blot using X-ray film or a CCD-based imaging system.  
Adjust exposure time based on signal intensity.



High-Quality Staining Achieved with BioActs Secondary Antibodies



BioActs Fluorescent and HRP-conjugated Secondary Antibodies

| Product              | Usage                                    | Available Fluorophores                 |
|----------------------|------------------------------------------|----------------------------------------|
| Goat anti-mouse IgG  | For Western blot, FACS, ICC, IF, IHC, IP | 488, 555, 594, 647, 680, 750, 800, HRP |
| Goat anti-rabbit IgG | For Western blot, FACS, ICC, IF, IHC, IP | 488, 555, 594, 647, 680, 750, 800, HRP |
| Goat anti-rat IgG    | For Western blot, FACS, ICC, IF, IHC, IP | 488, 555, 594, 647, 680, 750, 800, HRP |
| Rabbit anti-goat IgG | For Western blot, FACS, ICC, IF, IHC, IP | 488, 555, 594, 647, 680, 750, 800, HRP |

\* Catalog numbers and available pack sizes are provided upon request.

Need support or just curious about our products? Get in touch anytime.  
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