

ACCUSIGNAL ELISA KITS

Rockland offers a wide variety of ELISA kits, including 800+ ready-to-use AccuSignal ELISA kits for the detection of many common research targets. ELISA kits provide high specificity because of their use of two antibodies, allowing for the precise capture and detection of the antigen. In addition to measuring proteins at the pg/mL level, ELISA kits are also suitable for complex samples as the antigen does not need to be purified prior to analysis. Each AccuSignal ELISA assay is rigorously tested to ensure high precision, sensitivity, and specificity and optimized for accurate quantitation of targets in various sample types, including serum, plasma, saliva, cell lysates, and cell culture supernatants.



Convenient &
Ready-to-use



Sensitive & robust
"sandwich" assay
format



Validated on serum,
plasma, cell culture
supernatant, or cell lysate



Highly-specific capture
& detection antibody
combination

AVAILABLE TARGETS

Growth Factors

Glycoprotein

Cytokins & Chemokine

Human IgG/IgM

Hormone

DNA Damage & Nitrotyrosine

SANDWICH ELISA SCHEMATIC



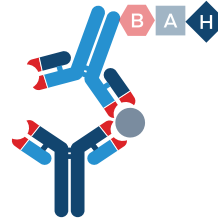
Multi-well ELISA plate is coated with known quantity of the capture antibody



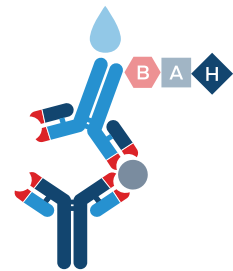
Non-specific binding sites are blocked with blocking reagent & antigen is added



Plate is washed to remove unbound antigen & detection antibody is added



Enzyme-conjugated detection reagent complex is added & binds to detection antibody



Substrate is added & converted into a measurable color to determine antigen quantity

WHAT'S INCLUDED

- Antibody-coated 96-well plate
- Target Protein Standard
- Detection antibody (typically biotinylated)
- Detection reagent (typically an avidin-biotin-peroxidase complex)
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers