

VeraBIND Antibody Detection Kit RUO

The VeraBIND™ Antibody Detection Kit (RUO) is designed to clean, capture, concentrate, and detect human IgG, IgM, and IgA immunoglobulins present in serum, plasma, saliva, or saline oral rinse samples against specific antigens. With all necessary reagents included, this kit offers a multiplex approach to simultaneously detect multiple immunoglobulin classes, even in low abundance. It is ideal for applications in clinical research, immunology studies, and assay development. Multiplex quantitation of detected IgG, IgM and IgA immunoglobulins is also possible using the optional VeraBIND™ Triplex Antibody Calibrator Set.

Key Features:

Comprehensive Detection:

Detects human IgG, IgM, and IgA immunoglobulins against specific antigens using custom VeraBIND Capture Beads or VeraBIND Streptavidin Beads coated with biotinylated antigens.

Multiplex Capabilities:

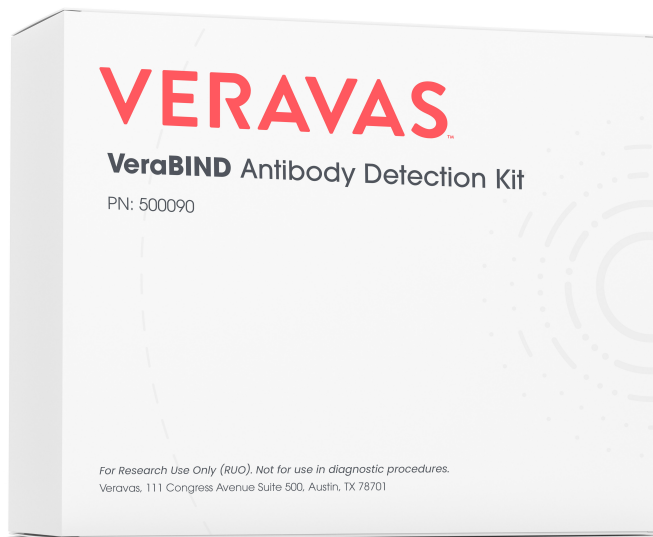
The kit allows for the simultaneous detection of multiple immunoglobulin classes from serum, plasma, saliva, or saline oral rinse samples, increasing assay efficiency.

High Sensitivity:

Utilizes proprietary VeraBIND Clean Beads to remove interferences, enabling the detection of low-abundance immunoglobulins.

Quantitative Analysis:

The optional VeraBIND Triplex Antibody Calibrator Set facilitates the quantification of IgG, IgM, and IgA immunoglobulins, providing reliable and reproducible results.



Applications:

Clinical Research:

Ideal for the detection and quantification of human antibodies in serum, plasma, saliva, or saline oral rinse samples.

Immunology Studies:

Useful in studying immune responses by detecting various classes of antibodies against specific antigens.

Assay Development:

Supports the development of highly sensitive and specific immunoassays.

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How It Works:

Sample Cleaning:

VeraBIND Clean Beads efficiently remove non-specific, heterophilic, and autoantibody human immunoglobulins from the sample, preparing them for precise detection.

Capture & Detection:

Custom VeraBIND Capture Beads coated with biotinylated antigens capture the targeted immunoglobulins. The VeraBIND Triplex Conjugate is then added to detect IgG, IgM, and IgA.

Fluorometric Reading:

The captured immunoglobulins are detected fluorometrically, with the signals being directly proportional to their concentrations.

Kit Includes:

- VeraBIND™ Clean Beads
- 25X Wash Buffer
- Phosphate Buffer Saline
- Triplex Conjugate
- Elution Buffer
- Neutralization Buffer

Materials Required But Not Provided:

- Vortex mixer, laboratory rocker, multi-channel pipettes, well plates, plate magnets, fluorescent reader
- VeraBIND™ Streptavidin Beads Protein Coating Kit (Part Number 400157) to prepare custom antigen-coated VeraBIND Capture Beads
- Optional: VeraBIND™ Triplex Antibody Calibrator Set (Part Number 400092)

Ordering Information:

Product Name:

VeraBIND™ Antibody Detection Kit

Catalog Number:

500090

Regulatory Status:

For Research Use Only.
Not for use in diagnostic procedures.

Veravas products are distributed globally, so uses, applications, and availability of product in each country depend on local regulatory marketing authorization status. Specifications, terms, and pricing are subject to change.