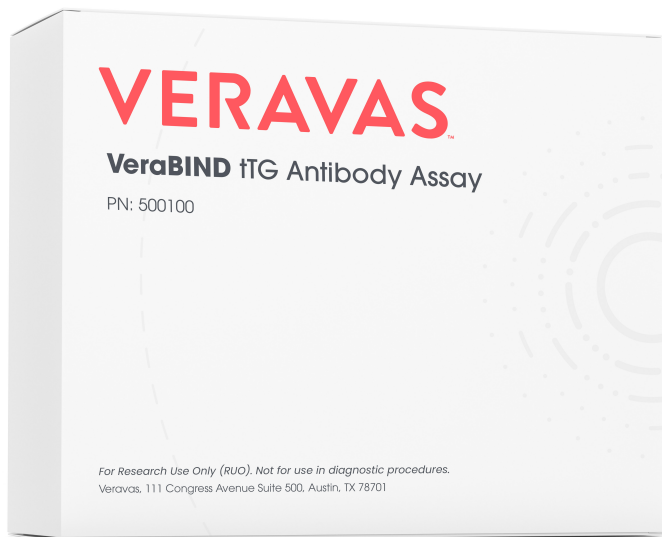


# VeraBIND tTG Antibody Assay

The VeraBIND™ tTG Antibody Assay (RUO) is a cutting-edge, bead-based fluorescent immunoassay designed for the multiplex detection of total IgA and IgG antibodies against human tissue transglutaminase (tTG) in serum, plasma, saliva, or saline oral rinse samples. This semi-automated assay offers precise detection and quantification of these antibodies, making it an essential tool for researchers investigating gluten exposure and related immunological responses.



## Applications:

### Celiac Disease Research:

Although not intended for diagnostic use, this assay is valuable in studying the presence and persistence of tTG antibodies following gluten exposure.

### Immunology Studies:

Ideal for research into autoimmune responses related to gluten intake and other related conditions.

### Assay Development:

Supports the development of new assays for detecting and quantifying antibodies against tissue transglutaminase.

## Key Features:

### Multiplex Detection:

Detects both IgA and IgG antibodies against tTG simultaneously, enhancing the efficiency and accuracy of your research.

### Advanced Interference Removal:

Utilizes proprietary VeraBIND Clean Beads to remove a wide range of endogenous human immunoglobulin interferences, ensuring cleaner samples and more reliable results.

### Customizable and Quantitative:

Offers the option to use the VeraBIND Triplex Antibody Calibrator Set for the quantification of IgA and IgG antibodies, allowing for detailed and accurate analysis.

### High Sensitivity and Specificity:

Proven to deliver 100% sensitivity and specificity for detecting tTG antibodies after pre-treatment with VeraBIND Clean Beads, ensuring the highest level of accuracy in your research.

# VeraBIND tTG Antibody Assay

## How It Works:

### Sample Cleaning:

Serum, plasma, saliva, or saline oral rinse samples are treated with VeraBIND Clean Beads to remove non-specific immunoglobulins and other interferences.

### Antibody Capture:

The treated samples are then incubated with tTG antigen-coated VeraBIND Capture Beads, allowing for the specific capture of tTG antibodies.

### Detection and Measurement:

After washing to remove non-specific antibodies, the captured tTG antibodies are detected using a duplex fluorescent conjugate. The results can be quantified using the optional Triplex Antibody Calibrator Set.

## Kit Includes:

- **VeraBIND™ Clean Beads**
- **25X Wash Buffer**
- **Phosphate Buffer Saline**
- **Celiac tTG Duplex Conjugate**
- **Elution Buffer**
- **Neutralization Buffer**
- **tTG Antigen-Coated VeraBIND Capture Beads**

## Materials Required But Not Provided:

- **BioPlex 2200 Celiac IgA Control Set (BIO-RAD, Reference Number 663-2330)**
- **BioPlex 2200 Celiac IgG Control Set (BIO-RAD, Reference Number 663-2230)**
- **Vortex mixer, laboratory rocker, multi-channel pipettes, well plates, plate magnets, fluorescent reader**
- **Optional: VeraBIND™ Triplex Antibody Calibrator Set (Part Number 400092)**

## Ordering Information:

### Product Name:

VeraBIND™ tTG Antibody Assay

### Catalog Number:

500100

## 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.