



## Quantitative Human IgG ELISA

**ZMC Catalog #: 0801182**

**FOR RESEARCH USE ONLY. Not for *in vitro* Diagnostic Use**

### **INTENDED USE**

The IMMUNO-TEK Human IgG ELISA Kit is a rapid, easy to use enzyme-linked immunosorbent assay (ELISA) designed for the measurement of human IgG in serum, plasma, hybridoma cell supernatants, ascites or other biological fluids. The kit is especially useful in monitoring the production and purification of human monoclonal antibodies. The assay contains ready-to-use reagents and takes less than two hours to perform. The microplate and detector antibody in the kit have been specifically balanced to react uniformly with all subclasses of human IgG.

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### **PRINCIPLE OF THE TEST**

Microwells coated with polyclonal antibodies to human IgG form the capture phase of the assay. These antibodies bind uniformly to all subclasses of human IgG. Captured human IgG then reacts with detector antibody which is a polyclonal anti-human IgG conjugated with horseradish peroxidase. This reagent also reacts uniformly with all subclasses of human IgG. Enzyme activity in the wells are then quantified using tetramethyl benzidine as a substrate.

### **REAGENTS**

#### **Materials Supplied:**

- Microplate, (1x96 well):** Strips coated with purified goat anti-human IgG
  - Detector Antibody (12 ml):** Contains conjugated goat anti-human IgG peroxidase
  - Human IgG Standard (5 ml):** Contains human IgG and assay diluent
  - Assay Diluent (100 ml):** Contains PBS, Triton X-100® and 2-chloroacetamide
  - Plate Wash Buffer (125 ml):** Contains PBS, Tween 20® and 2-chloroacetamide
  - Substrate (12 ml):** Contains Tetramethyl Benzidine (TMB)
  - Stop Solution (12 ml):** Proprietary formulation
  - Microtiter Plate Sealers (1 pk):** 10 sealers per pack
  - Plastic Bag (1 bag):** For storage of unused microtiter plate strips
- ® Triton X-100 is a registered trademark of Rohm and Haas. Tween 20 is a registered trademark of Imperial Chemical Industries.

#### **Storage:**

Store all kit reagents at 2-8 ° C. Do not freeze.

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**Trial Version**