



Quantitative Mouse IgG ELISA

ZMC Catalog #: 0801180

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

INTENDED USE

The IMMUNO-TEK Mouse IgG ELISA Kit is a rapid, easy to use enzyme-linked immunosorbent assay (ELISA) designed for the measurement of mouse IgG in plasma, serum, hybridoma cell supernatants, ascites or other mouse biological fluids. The kit is especially useful in monitoring the production and purification of mouse 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 mouse IgG.

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PRINCIPLE OF THE TEST

Microwells coated with polyclonal antibodies to mouse IgG form the capture phase of the assay. These antibodies bind uniformly to all subclasses of mouse IgG. Captured mouse IgG then reacts with detector antibody which is a polyclonal anti-mouse IgG conjugated with horseradish peroxidase. This reagent also reacts uniformly with all subclasses of mouse 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-mouse IgG
 - Detector Antibody (12 ml):** Contains conjugated goat anti-mouse IgG peroxidase
 - Mouse IgG Standard (5 ml):** Contains mouse 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