



Quantitative Human IgM ELISA

ZMC Catalog #: 0801183

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

INTENDED USE

The IMMUNO-TEK Human IgM ELISA Kit is a rapid, easy to use enzyme-linked immunosorbent assay (ELISA) designed for the measurement of human IgM 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.

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PRINCIPLE OF THE TEST

Microwells coated with polyclonal antibodies to human IgM form the capture phase of the assay. Captured human IgM then reacts with detector antibody which is a polyclonal anti-human IgM conjugated with horseradish peroxidase. 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 IgM
- Detector Antibody (12 ml):** Contains conjugated goat anti-human IgM peroxidase
- Human IgM Standard (5 ml):** Contains human IgM 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