

**HUMAN IgM (myeloma) Fab  $\mu$  fragment Peroxidase conjugated - 009-0309**
**Code:** 009-0309

**Size:** 1 mg

**Product Description:** HUMAN IgM (myeloma) Fab  $\mu$  fragment Peroxidase conjugated - 009-0309

**Concentration:** 1.0 mg/mL by UV absorbance at 280 nm

**PhysicalState:** Lyophilized

<b>Label</b>	Peroxidase (Horseradish)
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Reconstitution Volume</b>	1.0 mL
<b>Reconstitution Buffer</b>	Restore with deionized water (or equivalent)
<b>Stabilizer</b>	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
<b>Preservative</b>	None
<b>Storage Condition</b>	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
<b>Synonyms</b>	Human IgM Fab $\mu$ peroxidase conjugation, Human myeloma IgM Fab $\mu$ HRP conjugation
<b>Application Note</b>	HUMAN IgM (myeloma) Fab $\mu$ fragment peroxidase can be utilized in Western Blotting and ELISA experiments. Specific conditions should be optimized by the user.
<b>Background</b>	Human IgM Fab $\mu$ Peroxidase is ideal for investigators involved in serum protein component research. IgM is by far the physically largest antibody in the human circulatory system. It is the first antibody to appear in response to initial exposure to antigen. The spleen is the major site of specific IgM production. Distinct heavy chains differ in size and composition; alpha and gamma contain approximately 450 amino acids, while $\mu$ and $\delta$ have approximately 550 amino acids.
<b>Purity And Specificity</b>	This product was prepared from normal serum by delipidation, salt fractionation, ion exchange chromatography followed by enzyme digestion and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Human IgM, anti-Human IgG F(ab') <sub>2</sub> and anti-Human Serum. No reaction was observed against anti-Human IgG F(c).
<b>Assay Dilutions</b>	User Optimized
<b>Other Assays</b>	User Optimized
<b>Expiration</b>	Expiration date is one (1) year from date of opening.

**Related Products**

010-0102	MOUSE IgG whole molecule - 010-0102
610-4302	Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
BSA-50	BOVINE SERUM ALBUMIN - Fraction V (Immunoglobulin and Protease Free) - BSA-50

**Disclaimer**

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