

**MONKEY IgG whole molecule (BULK ORDER) - 017-0102**
**Code:** 017-0102

**Size:** 2 mg

**Product Description:** MONKEY IgG whole molecule (BULK ORDER) - 017-0102

**Concentration:** 2.2 mg/mL by UV absorbance at 280 nm

**PhysicalState:** Lyophilized

<b>Label</b>	Unconjugated
<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>	None
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<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. Monkey IgG whole molecule is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
<b>Synonyms</b>	Monkey immunoglobulin G
<b>Application Note</b>	Monkey IgG whole molecule can be utilized as a control or standard reagent in SDS, Western Blotting, and ELISA experiments.
<b>Background</b>	Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the complement cascade, and opsinization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both heavy and light chains of the antibody molecule are present.
<b>Purity And Specificity</b>	Monkey IgG whole molecule was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Monkey IgG whole molecule was assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Monkey IgG and anti-Monkey Serum.
<b>Assay Dilutions</b>	User Optimized
<b>ELISA</b>	User Optimized
<b>Western Blot</b>	User Optimized
<b>Immunohistochemistry</b>	User Optimized
<b>Other Assays</b>	User Optimized
<b>Expiration</b>	Expiration date is one (1) year from date of opening.

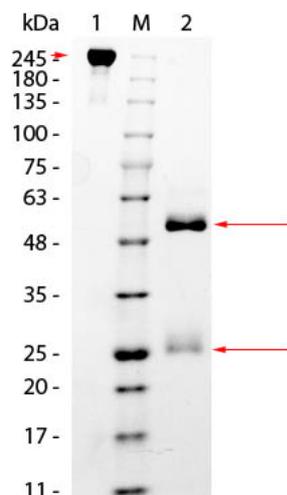
**Related Products**

001-0102	BOVINE IgG whole molecule - 001-0102
009-0102	HUMAN IgG whole molecule - 009-0102
010-0102	MOUSE IgG whole molecule - 010-0102
617-105-130	Anti-MONKEY IgG IgA IgM (H&L) (GOAT) Antibody Alkaline Phosphatase Conjugated - 617-105-130

**Images**

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SDS PAGE of Monkey IgG Whole Molecule. Lane 1: Non-Reduced Monkey IgG Whole Molecule. Lane 2: 5  $\mu$ L Opal Prestained Marker (MB-210-0500). Lane 3: Reduced Monkey IgG Whole Molecule. Load: 1  $\mu$ g per lane. Predicted/Observed size: Non-Reduced at 160 kDa, Observed at greater than 180; Reduced at 55, 25 kDa. Non-reduced sample migrates higher due to large molecular weight.



### Disclaimer

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