

Anti-MONKEY IgM (mu chain) (GOAT) Antibody - 617-101-007
Code: 617-101-007

Size: 1 mg

Product Description: Anti-MONKEY IgM (mu chain) (GOAT) Antibody - 617-101-007

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

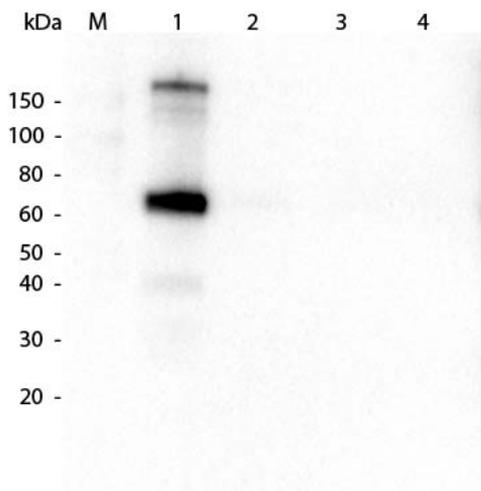
PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Goat
Species Reactivity	Monkey
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Synonyms	Goat Anti-Monkey IgM mu chain Antibody, Goat Anti-Monkey IgM Antibody
Application Note	Anti-Monkey IgM (mu chain) is suitable for use in immunoelectrophoresis, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user.
Background	Anti-Monkey IgM antibody specifically detects monkey IgM. Immunoglobulin M is the largest antibody isotype and the first to be secreted against an initial exposure to antigen. IgM is predominantly produced in the spleen. Formed from covalently linking 5 immunoglobulins together, the approximate molecular weight of IgM is 900kDa and possesses 10 binding sites (though due to the size of most antigens, not all sites are capable of binding at once). Due to this large size, IgM is typically isolated to the serum. Anti-Monkey IgM antibody is ideal for investigators in Immunology, Microbiology, and Cell Biology.
Purity And Specificity	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Monkey IgM coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Monkey IgM and Monkey Serum. No reaction was observed against other monkey heavy or light chain proteins.
Assay Dilutions	User Optimized
ELISA	1:16,700 - 1:17,700
Western Blot	1:1,000 - 1:5,000
Immunohistochemistry	1:500 - 1:2,500
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Monkey IgM whole molecule
Related Products	
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
B304	NORMAL GOAT SERUM (NGS) - B304
B552-0500	BLOTTO A PRE-MIXED - for a 1X SOLUTION of Immunoanalytical Grade 5% NON-FAT DRY MILK in TBS with TWEEN-20 - B552-0500

Images

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Western Blot of Goat anti-Monkey IgM (mu chain) antibody. Lane 1: Monkey IgM. Lane 2: Monkey IgG. Lane 3: Monkey IgG (A and M Free). Lane 4: Monkey IgG F(c). Load: 50 ng per lane. Primary antibody: Goat anti-Monkey IgM (mu chain) antibody at 1:1,000 for 1 hour at RT. Secondary antibody: Peroxidase conjugated Dk-a-Gt IgG at 1:40,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 70 kDa, 70 kDa for Monkey IgM (mu chain).



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This table displays additional reactivity among various species of serum and immunoglobulin. A (+) indicates antibody reactivity to the corresponding target.

<u>Product</u>	<u>Gt-a-Monkey IgG</u>	<u>Gt-a-Monkey IgA</u>	<u>Gt-a-Monkey IgM</u>
Rhesus Serum	+	+	+
Baboon Serum	+	+	+
Cynomologus Serum	+	+	+
Rhesus IgG	+		
Human IgA		+	
Human IgM			+

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.