



Anti-MONKEY IgM (mu chain) (GOAT) Antibody Alkaline Phosphatase Conjugated - 617-105-007

Code: 617-105-007

Size: 1 mg

Product Description: Anti-MONKEY IgM (mu chain) (GOAT) Antibody Alkaline Phosphatase Conjugated - 617-105-007

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

PhysicalState: Liquid (sterile filtered)

Label	Alkaline Phosphatase (Calf Intestine)
Host	Goat
Buffer	0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.
Synonyms	Goat Anti-Monkey IgM Antibody alkaline phosphatase Conjugation, Goat Anti-Monkey IgM alk phos Conjugated Antibody
Application Note	Anti-Monkey IgM (mu chain) Antibody is suitable for immunoblotting (western or dot blot), ELISA, immunoperoxidase electron microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays requiring lot-to-lot consistency. Specific conditions for reactivity should be optimized by the end user.
Background	Anti-Monkey IgM (mu chain) alkaline phosphatase antibody generated in goat 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	Anti-Monkey IgM (mu chain) Antibody 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-Alkaline Phosphatase (calf intestine), 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	1:2,000 - 1:10,000
Western Blot	1:500 - 1:3,000
Immunohistochemistry	1:200 - 1:1,000
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Monkey IgM whole molecule
General Reference	Janeway, Jr., Travers, Walport, and Shlomchik. "The Immune System in Health and Disease." Immunobiology, 5th Edition: Garland Science: 2001.

Related Products

017-0202	MONKEY IgG whole molecule Fluorescein conjugated - 017-0202
017-0302	MONKEY IgG whole molecule Peroxidase conjugated - 017-0302
017-0502	MONKEY IgG whole molecule Alkaline Phosphatase conjugated - 017-0502
017-0602	MONKEY IgG whole molecule Biotin conjugated - 017-0602

Images

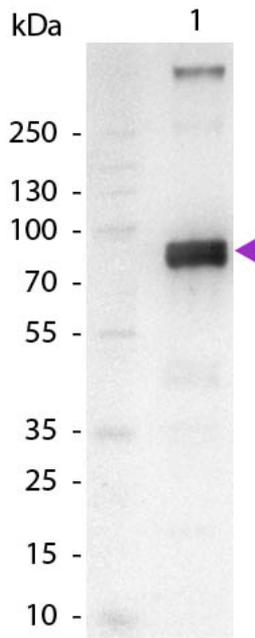
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This table displays additional reactivity among various species of serum and immunoglobulin. A (+) indicates antibody reactivity to the corresponding target.

Product	Gt-a-Monkey IgG	Gt-a-Monkey IgA	Gt-a-Monkey IgM
Rhesus Serum	+	+	+
Baboon Serum	+	+	+
Cynomologus Serum	+	+	+
Rhesus IgG	+		
Human IgA		+	
Human IgM			+

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Western Blot of Alkaline Phosphatase Conjugated Goat Anti-Monkey IgM (mu chain) Secondary Antibody. Lane 1: Monkey IgM. Lane 2: None. Load: 100 ng per lane. Primary antibody: None. Secondary antibody: Alkaline Phosphatase goat secondary antibody at 1:1,000 for 60 min at RT. Blocking: MB-070 for 30 min at RT. Predicted/Observed size: 72 kDa, 72 kDa for Monkey IgM. Other band(s): Monkey IgM splice variants and isoforms.



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.