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Certificate of Analysis

Product Description: Anti-Dog IgM, Rabbit
Catalog Number: 64371
Lot: S6596

Formula: N/A
CAS #: N/A
Physical Description: White to Off-White Powder

Formula Weight: N/A
Storage: 2 - 8°C

Test	Specification	Result
Host	Rabbit	Rabbit
Form	Lyophilized	Lyophilized
Antigenic Specificity	Dog IgM	Dog IgM

Buffer: 0.02M Potassium Phosphate, 0.15M Sodium Chloride, pH 7.2

Preservative: 0.01% Sodium Azide

Reconstitution Buffer: Restore with deionized water (or equivalent)

Storage Condition: Store vial at 2 - 8°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 2 - 8°C as an undiluted liquid. Dilute only prior to immediate use.

Background: Anti-Dog IgM antibody specifically detects dog 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-Dog IgM antibody is ideal for investigators in immunology, microbiology, and cell biology.

Application Note: This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.

Purity and Specificity: This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum, dog IgM and dog serum.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions are listed below.

ELISA: 1:20,000 - 1:100,000

Immunohistochemistry: 1:1,000 - 1:5,000

Western Blot: 1:2,000 - 1:10,000

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Recommended Retest Date (MM/DD/YYYY): 07/11/2024



07/13/2021 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

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