

Datasheet for 010-0207

Mouse IgM Fluorescein

Overview

Description:	Mouse IgM Whole Molecule Fluorescein Conjugated - 010-0207
Item No.:	010-0207
Size:	500 µg
Applications:	Dot Blot
Origin:	Mouse

Product Details

Background:	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.
Synonyms:	Mouse IgM Fluorescein conjugation, Mouse IgM FITC conjugate
Species of Origin:	Mouse
Conjugate:	Fluorescein (FITC)
Format:	IgM
Type:	Native Protein

Target Details

Purity/Specificity:	This product was prepared from normal serum by a multi-step process which includes delipidation, selective precipitation and tandem molecular sieve chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein, anti-Mouse Serum and anti-Mouse IgM (µ chain specific). No reaction was observed against anti-Mouse IgG F(c). Some light chain cross reactivity will occur with anti-Mouse IgG.
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Application Details

Tested Applications:	Dot Blot
Application Note:	Mouse IgM whole molecule Fluorescein conjugation 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Lyophilized
Buffer:	0.06 M Potassium Phosphate, 0.45 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	500 μ L
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
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.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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