

Product Datasheet

Rat IgM (mu chain) Antibody Fluorescein Conjugated (orb347807)

Description	Rat IgM (mu chain) antibody (FITC)
Species/Host	Goat
Reactivity	Rat
Conjugation	FITC
Tested Applications	FC, FLISA, IF
Immunogen	Rat IgM whole molecule
Preservatives	0.01% (w/v) Sodium Azide
Form/Appearance	Lyophilized
Concentration	1.0 mg/mL
Storage	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. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Note	For research use only
Application notes	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.
Isotype	IgG
Clonality	Polyclonal

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Purity	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rat IgG 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-Fluorescein, anti-Goat Serum, Rat IgM and Rat Serum. No reaction was observed against other rat heavy or light chain proteins.
Dilution Range	FLISA: 1:10,000 - 1:50,000, FC: 1:500 - 1:2,500, IF: 1:1,000 - 1:5,000
Expiration Date	12 months from date of receipt.



Western Blot of Anti-Rat IgM (mu chain) (GOAT) Antibody (p/n orb347802). Lane M: 3 μ l Molecular Ladder. Lane 1: Rat IgG whole molecule (p/n orb2652744). Lane 2: Rat IgG F(c) Fragment (p/n orb346338). Lane 3: Rat IgG Fab Fragment (p/n orb346340). Lane 4: Rat IgM Whole Molecule (p/n orb346341). Lane 5: Rat Serum. All samples were reduced. Load: 50 ng per lane. Block: orb348637 for 30 min at RT. Primary Antibody: Anti-Rat IgM (mu chain) (GOAT) Antibody (p/n orb347802) 1:1000 for 60 min at RT. Secondary Antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody 1:40000 in orb348637 for 30 min at RT. Predicted/Observed Size: 25 and 55 kDa for Rat IgG and Serum, 25 kDa for F(c) and Fab, 78 and 25 kDa for IgM. Rat F(c) migrates slightly higher.

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