

### Datasheet for ABIN102705

# Goat anti-Rat IgM (Heavy Chain) Antibody (FITC) - Preadsorbed



Go to Product page

## 1 Image

Overview	
Quantity:	1 mg
Target:	IgM
Binding Specificity:	Heavy Chain
Reactivity:	Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	FITC
Application:	Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM)
Product Details	
Immunogen:	Immunogen: Rat IgM whole molecule
Isotype:	IgG
Specificity:	lgM μ chain
Characteristics:	Concentration Definition: by UV absorbance at 280 nm
Purification:	Preadsorption: Solid phase absorption
Labeling Ratio:	4.8
Target Details	
Target:	IgM
Abstract:	IgM Products

### **Target Details**

Target Type:	Antibody
Background:	Synonyms: goat anti-Rat IgM (mu chain) Antibody fluorescein Conjugation, goat anti-Rat IgM mu chain FITC Conjugated Antibody  Background: Anti-Rat IgM antibody specifically detects rat IgM heavy chain. 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 900 kDa 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-Rat IgM antibody is ideal for investigators in Immunology, Microbiology, and Cell Biology. This Rat IgM Antibody is conjugated to fluorescein.

## Application Details

Application Notes:	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.
	FLISA Dilution: 1:10,000 - 1:50,000
	Flow Cytometry Dilution: 1:500 - 1:2,500
	IF Microscopy Dilution: 1:1,000 - 1:5,000
Comment:	Excitation/Emission wavelength: 494 nm/514 nm
Restrictions:	For Research Use only

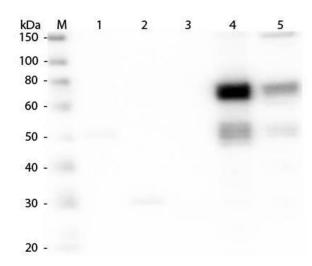
## Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 1.0 mL  Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

#### Handling

	should be handled by trained staff only.
Handling Advice:	Product is photosensitive and should be protected from light.
Storage:	RT,4 °C,-20 °C
Expiry Date:	12 months

#### **Images**



#### **Western Blotting**

Image 1. Western Blot of Anti-Rat IgM (mu chain) (GOAT) Antibody . Lane M: 3 µl Molecular Ladder. Lane 1: Rat IgG whole molecule . Lane 2: Rat IgG F(c) Fragment . Lane 3: Rat IgG Fab Fragment . Lane 4: Rat IgM Whole Molecule . Lane 5: Rat Serum . All samples were reduced. Load: 50 ng per Iane. Block: ABIN925618 for 30 min at RT. Primary Antibody: Anti-Rat IgM (mu chain) (GOAT) Antibody 1:1,000 for 60 min at RT. Secondary Antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody 1:40,000 in ABIN925618 for 30 min at RT. Predicted/Obsevered 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.