

Datasheet for ABIN102702

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





Go to Product page

_				
()	ve.	rv/	101	Λ

Quantity:	1 mg	
Target:	lgM	
Binding Specificity:	Heavy Chain	
Reactivity:	Rat	
Host:	Goat	
Clonality:	Polyclonal	
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)	

Product Details

Product Details		
Immunogen:	Immunogen: Rat IgM whole molecule	
Isotype:	IgG	
Specificity:	IgM μ chain Rat IgM antibody recognizes the mu chain of the Rat IgM. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Rabbit Serum, Rat IgM and Rat Serum. ELISA was used to confirm specificity at less than 1 % cross reactivity against other rat heavy or light chain isotypes.	
Characteristics:	Anti-Rat IgM antibody is ideal with investigators involved in serum component protein research. Concentration Definition: by UV absorbance at 280 nm	
Purification:	Preadsorption: Solid phase absorption	
Sterility:	Sterile filtered	

Target Details

Target:	IgM
Abstract:	IgM Products
Target Type:	Antibody
Background:	Synonyms: Goat anti-rat IgM
	Background: Anti-Rat IgM antibody specifically detects rat IgM mu 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.

Application Details

Application Notes:	Immunohistochemistry Dilution: 1:1,000 - 1:5,000	
Application Notes.		
	Application Note: Anti-RAT IgM (mu chain) (GOAT) Antibody has been assayed against Rat IgM	
	in a standard capture ELISA using Peroxidase Conjugated Streptavidin. A working dilution of	
	1:15,000 to 1:70,000 of the concentration is suggested for this product. Rat IgM antibody is	
	suitable for immunoassays including western blot and ELISA.	
	ELISA Dilution: 1:80,000	
	Western Blot Dilution: 1:1,000 to 1:10,000	
Restrictions:	For Research Use only	

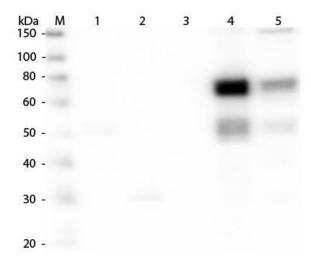
Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	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.