

Datasheet for ABIN964493  
**Rat IgM Isotype Control**

2 Images



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## Overview

Quantity:	1 mg
Target:	IgM
Host:	Rat
Antibody Type:	Native
Application:	Isotype Control (IsoC), ELISA, Western Blotting (WB)

## Product Details

Isotype:	IgM
Characteristics:	Concentration Definition: by UV absorbance at 280 nm
Sterility:	Sterile filtered

## Target Details

Target:	IgM
Abstract:	<a href="#">IgM Products</a>
Target Type:	Antibody
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 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.

## Target Details

Synonyms: Rat Immunoglobulin M

Molecular Weight: 900 kDa

## Application Details

Application Notes: Rat IgM whole molecule can be utilized as a control or standard reagent in Western Blotting and ELISA experiments.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 3.6 mg/mL

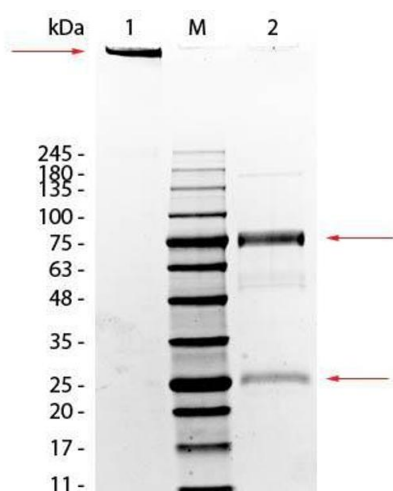
Buffer: 0.1 M Tris Chloride, 0.5 M Sodium Chloride, pH 8.0

Preservative: Sodium azide

Precaution of Use: **WARNING:** Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

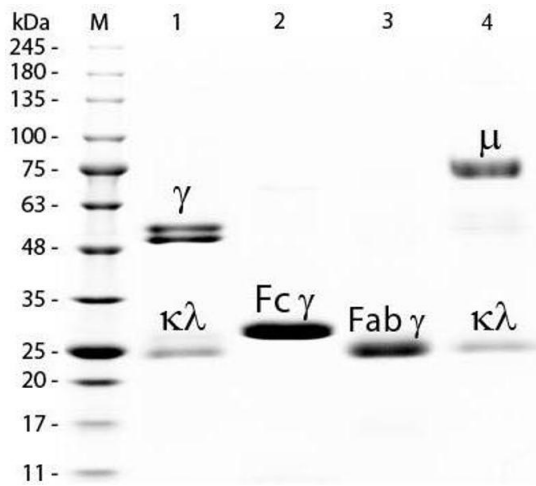
Storage: 4 °C

## Images



### SDS-PAGE

**Image 1.** SDS-Page of Rat IgM Whole Molecule. Lane 1: Rat IgM, Non-Reduced. Lane 2: Rat IgM, Reduced. Load: 1.0 µg per lane. Predicted/Observed size-Predicted/Observed size - Non-Reduced: 900 kDa (Pentamer), 900 kDa (Molecule larger than can pass through gel), Reduced: 78 and 25 kDa, 78 and 25 kDa.



### SDS-PAGE

**Image 2.** SDS-PAGE of Rat IgM Whole Molecule . Lane M: 3  $\mu$ L Opal Prestained Marker . Lane 1: Reduced Rat IgG Whole Molecule . Lane 2: Reduced Rat IgG F(c) Fragment . Lane 3: Reduced Rat IgG Fab Fragment . Lane 4: Reduced Rat IgM Whole Molecule . Load: 1  $\mu$ g of IgG, F(c), Fab; 1.5  $\mu$ g of IgM. Predicted/Observed size: IgG at 55 and 25 kDa; F(c) at 25 kDa; Fab at 25 kDa; IgM at 78 and 25 kDa. Observed F(c) Fragment migrates slightly higher.