



[Go to Product page](#)

Datasheet for ABIN964381
Rat IgG Isotype Control

2 Images

Overview

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

Product Details

Isotype:	IgG
Fragment:	Fc fragment
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75 % of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsinization for phagocytosis. The F(c) fragment binds with very high affinity to the Fc receptor proteins on phagocytic leukocytes. When digested from the whole antibody molecule, the F(c) fragment no longer

Target Details

posses the epitope recognition site.

Synonyms: Rat Immunoglobulin G F(c) fragment, IgG Fc

Application Details

Application Notes: Rat IgG F(c) Fragment can be utilized as a control or standard reagent in Western Blotting and ELISA experiments.

Restrictions: For Research Use only

Handling

Format: Liquid

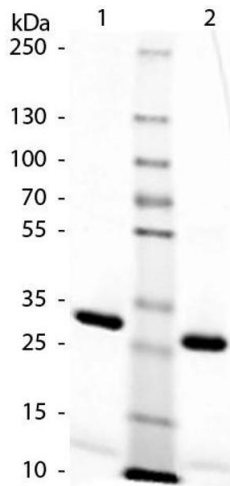
Concentration: 1.0 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: Sodium azide

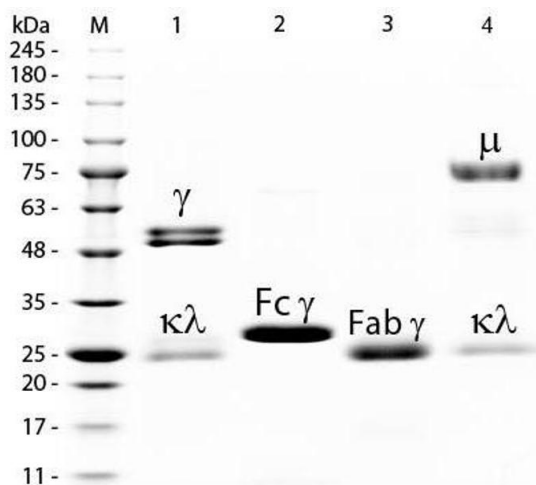
Precaution of Use: **WARNING:** Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a 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



SDS-PAGE

Image 1. SDS-Page of Rat IgG F(c). Lane 1: Rat Fc – Non-reduced. Lane 2: Rat Fc - Reduced. Load: 1.0 µg per lane. Predicted/Observed size: 25 kDa, 25 kDa for Reduced Fc. Other band(s): None.



SDS-PAGE

Image 2. SDS-PAGE of Rat IgG F(c) Fragment . Lane M: 3 µL 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 µg of IgG, F(c) and Fab; 1.5 µg 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.