



Datasheet for ABIN964336
Mouse IgG Isotype Control



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2 Images

Overview

Quantity:	2 mg
Target:	IgG
Host:	Mouse
Antibody Type:	Native
Application:	Isotype Control (IsoC), ELISA, Western Blotting (WB)

Product Details

Isotype:	IgG
Fragment:	Fab 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 complement cascade, and opsinization for phagocytosis. The F(ab) fragment is the portion of the antibody that binds to the antigen target. The immunoglobulin Fab also possesses one constant and one variable region of both the heavy

Target Details

and light chain. Mouse IgG Fab Fragment is ideal for investigators in Immunology, Cancer, and Microbiology research.

Synonyms: Mouse Immunoglobulin Fab, F(ab), Fragment antigen-binding

Application Details

Application Notes: Mouse IgG Fab Fragment can be utilized as a control or standard reagent in Western Blotting and ELISA experiments.

Restrictions: For Research Use only

Handling

Format: Liquid

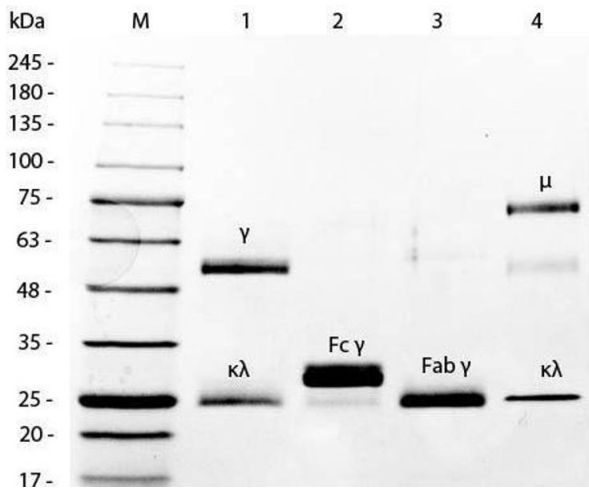
Concentration: 2.0 mg/mL

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

Preservative: Sodium azide

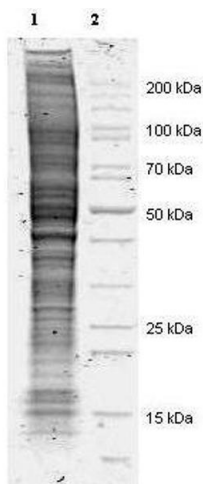
Precaution of Use: **WARNING:** Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a 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 Mouse IgG Fab Fragment . Lane 1: 5 μ L Opal Prestained Marker . Lane 2: Reduced Mouse IgG Whole Molecule . Lane 3: Reduced Mouse F(c) Fragment . Lane 4: Reduced Mouse F(ab) Fragment . Lane 5: Mouse IgM Kappa Myeloma Protein . Load: 1 μ g per lane. Predicted/Observed size: IgG at 50 and 25 kDa; F(c) at 25 kDa; F(ab) at 25 kDa; IgM K at 70 and 23 kDa. Observed F(c) Fragment migrates slightly higher.



Western Blotting

Image 2. Coomassie stained SDS-PAGE of 20 μ L of Mouse Derived NIH 3T3 Whole Cell Lysate (Ready-to-Use) separated in a 4-20% gradient gel under non-reducing conditions (lane 1). Molecular weight standards are shown in lane 2.