Datasheet for ABIN5633245

Rabbit IgG Isotype Control

4 Images

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Overview

Quantity:	10 mg
Target:	IgG
Host:	Rabbit
Antibody Type:	Native
Application:	Isotype Control (IsoC), ELISA, Western Blotting (WB)

Product Details

Isotype:	IgG
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 whole IgG molecule possesses both the F(c) region, recognized by high-afinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both heavy and light chains of the antibody molecule are present.

Target Details

	Synonyms: Rabbit immunoglobulin G

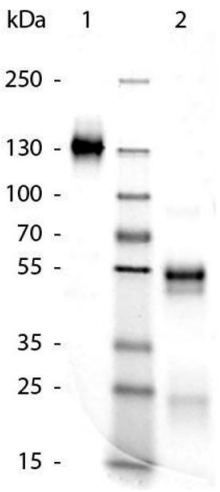
Application Details

Application Notes:	Rabbit IgG whole molecule can be utilized as a control or standard reagent in Western Blotting and ELISA experiments.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Restore with deionized water (or equivalent)
Concentration:	10.0 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

Images

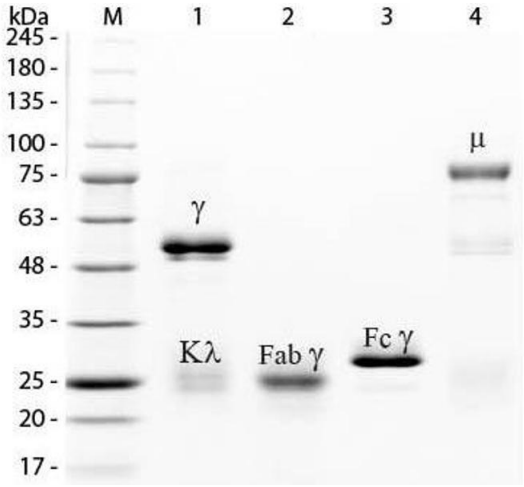


Western Blotting

Image 1.

SDS-PAGE

Image 2.



SDS-PAGE

Image 3. SDS-PAGE of Rabbit IgG Whole Molecule (BULK ORDER) . Lane M: 3 µL Opal Prestained Marker . Lane 1: Reduced Rabbit IgG Whole Molecule (BULK ORDER) . Lane 2: Reduced Rabbit IgG F(ab) Fragment . Lane 3: Reduced Rabbit IgG F(c) Fragment . Lane 4: Reduced Rabbit IgM Whole Molecule . Load: 1 µg for F(ab) and F(c); 1.2 µg for IgG and IgM. Predicted/Observed size: IgG at 50 and 25 kDa; F(c) at 25 kDa; F(ab) at 25 kDa; IgM at 70 and 23 kDa. Observed F(c) Fragment migrates slightly higher.

Please check the product details page for more images. Overall 4 images are available for ABIN5633245.