Datasheet for ABIN1607856

Mouse anti-Human IgG (Fc Region) Antibody

1 Image

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Overview

Quantity:	100 µg
Target:	IgG
Binding Specificity:	Fc Region
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	Immunogen: Anti-Human IgG F(c) monoclonal antibody was produced by repeated immunization with Human IgG F(c) fragment in mice. Immunogen Type: Native Protein
Clone:	3D8-H7-D4
Isotype:	IgG1 kappa
Specificity:	IgG F(c)
Cross-Reactivity:	Human
Purification:	Anti-Human IgG F(c) Antibody was prepared from concentrated roller bottle supernatant by Protein A chromatography sepharose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse Serum, Human IgG, Human Serum and Human F(c). No reaction was observed against Human F(ab).

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	Synonyms: Human IgG F(c) Antibody, Human IgG Fc Antibody, Ms-a-Human IgG Fc, Human IgG F(c) Antibody in Mouse, Human Secondary Antibody Background: Anti-Human IgG F(c) generated in mouse detects Human F(c). A proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme papain under controlled conditions of temperature, time and pH . Receptors bind the Fc portion of human IgG and often this fragment is removed from immunoglobulins to minimize receptor binding and lower background reactivity. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. F(c) Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.

Application Details

Application Notes:	Application Note: Human IgG F(c) antibody is suitable for immunoelectrophoresis, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user. ELISA Dilution: 1-:1000-1:10000 Western Blot Dilution: 1:1000 - 1:2000
Restrictions:	For Research Use only

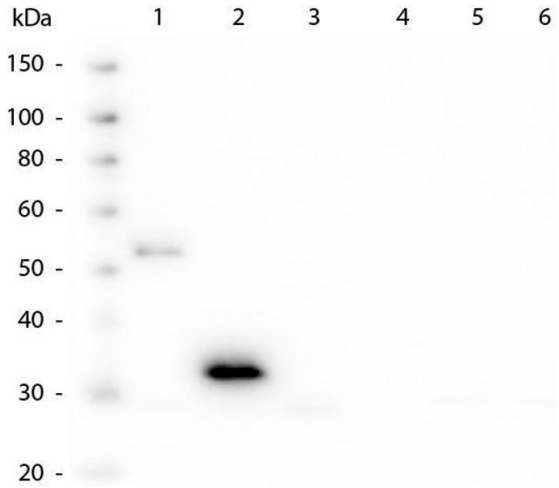
Handling

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

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid cycles of freezing and thawing. Do NOT add Sodium Azide! Centrifuge product if not completely clear after standing at room temperature.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vial at -20 °C prior to opening. Aliquot contents and freeze at -20 °C or below for extended storage. This product is stable for several weeks at 4 °C as an undiluted liquid.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western Blot of Mouse anti-Human Fc antibody. Lane 1: Human IgG. Lane 2: Human Fc. Lane 3: Human Fab. Lane 4: Human Fab2. Lane 5: Human IgM. Lane 6: Human IgM Fc5µ. Load: 50 ng per lane. Primary antibody: Human Fc monocloanl antibody at 1:1000 for overnight at 4°C. Secondary antibody: HRP mouse secondary antibody at 1:40,000 for 30 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 28 kDa, 28 kDa for Human Fc.