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Datasheet for 110-1103

Mouse IgG Fc Antibody

Overview

Description:	Goat Anti-Mouse IgG Fc Antibody - 110-1103
Item No.:	110-1103
Size:	2 mL
Applications:	WB
Reactivity:	Mouse
Host Species:	Goat

Product Details

Background:	Anti-Mouse IgG F(c) generated in goat is 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 mouse IgG and often this fragment is removed from immunoglobulins to minimize receptor binding and lower background reactivity.
Synonyms:	goat anti-Mouse IgG F(c) fragment Antibody, goat anti-Mouse IgG Fc fragment Antibody, rabbit anti Mouse IgG Fc
Host Species:	Goat
Specificity:	IgG Fc
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Reactivity:	Mouse
Immunogen:	Mouse IgG F(c) fragment
Purity/Specificity:	This product was prepared from monospecific antiserum by delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against Mouse IgG, Mouse IgG F(c) and Mouse Serum. No reaction was observed against Mouse IgG F(ab).

Application Details

Suggested Applications:	WB (Based on references)
Application Note:	This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:100,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

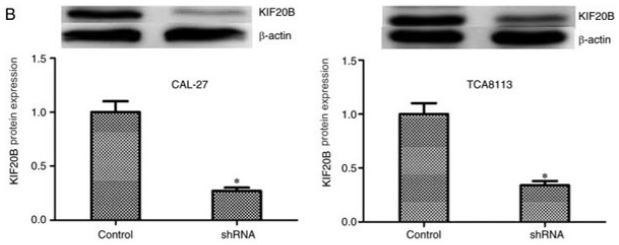
Formulation

Physical State:	Lyophilized
Concentration:	85 mg/mL by Refractometry
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None
Reconstitution Volume:	2.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

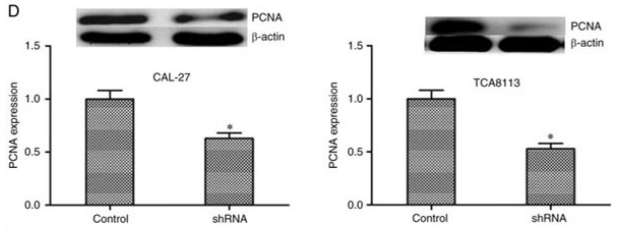
Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

KIF20B shRNA efficiency. (B) The shRNA efficiency measured by western blotting. Primary antibodies used rabbit anti-KIF20B antibody [1:100] and mouse anti-β-actin [1:500] with goat anti-rabbit [1:10,000] p/n 711–1122 and goat anti-mouse Fc secondary antibody [1:10,000] p/n 110–1103. *P<0.05 vs. control. KIF, kinesin family member; shRNA, short hairpin RNA. Figure 2. PMID: 30664160.



Western Blot

KIF20B knockdown inhibits cell proliferation. (D) Expression of proliferation marker PCNA in shRNA cells and control cells, measured by western Blotting. Primary antibodies used mouse anti-(PCNA) proliferating cell nuclear antigen [1:1000] and mouse anti-β-actin [1:500] with goat anti-mouse Fc secondary antibody [1:10,000] p/n 110–1103. Knocking down KIF20B inhibited PCNA expression. *P<0.05 vs. control. KIF, kinesin family member; PCNA, proliferating cell nuclear antigen; shRNA, short hairpin RNA. Figure 3. PMID: 30664160.

References

- Li et al. Kinesin family member 20B regulates tongue cancer progression by promoting cell proliferation. *Molecular Medicine Reports* (2019)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.