

MOUSE IgG Fab fragment - 010-0105
Code: 010-0105

Size: 2 mg

Product Description: MOUSE IgG Fab fragment - 010-0105

Concentration: 2.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

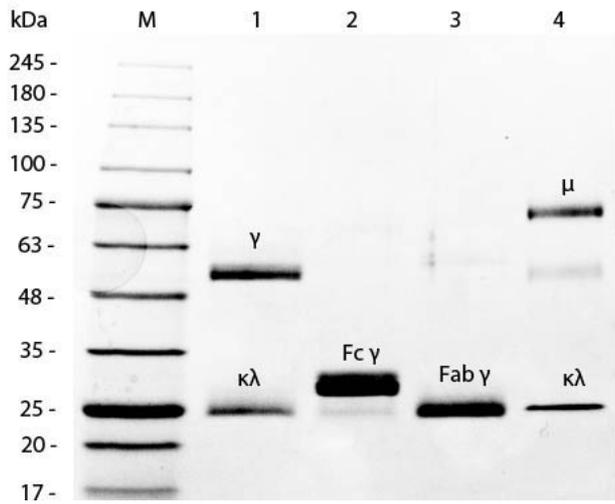
Label	Unconjugated
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Synonyms	Mouse Immunoglobulin Fab, F(ab), Fragment antigen-binding
Application Note	Mouse IgG Fab Fragment can be utilized as a control or standard reagent in Western Blotting and ELISA experiments.
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. This product possesses the F(ab) region possessing the epitope-recognition site, both heavy and light chains of the antibody molecule are present.
Purity And Specificity	Mouse IgG Fab fragment was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by papain digestion and extensive dialysis against the buffer stated above. Mouse IgG Fab fragment assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse IgG, anti-Mouse IgG F(ab') ₂ and anti-Mouse Serum. No reaction was observed against anti-Mouse IgG F(c) or anti- Papain.
Assay Dilutions	User Optimized
ELISA	User Optimized
Western Blot	User Optimized
Immunohistochemistry	User Optimized
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
General Reference	Janeway, Jr., Travers, Walport, and Shlomchik. "The Immune System in Health and Disease." Immunobiology, 5th Edition: Garland Science: 2001.

Related Products

006-0105	GUINEA PIG IgG Fab fragment - 006-0105
010-0205	MOUSE IgG Fab fragment Fluorescein conjugated - 010-0205
010-0305	MOUSE IgG Fab fragment Peroxidase conjugated - 010-0305
011-0105	RABBIT IgG Fab fragment - 011-0105(1)

Images

1	SDS-PAGE of Mouse IgG Fab Fragment (p/n 010-0105). Lane 1: 5 µL Opal Prestained Marker (p/n MB-210-0500). Lane 2: Reduced Mouse IgG Whole Molecule (p/n 010-0102). Lane 3: Reduced Mouse F(c) Fragment (p/n 010-0103). Lane 4: Reduced Mouse F(ab) Fragment (p/n 010-0105). Lane 5: Mouse IgM Kappa Myeloma Protein (p/n 010-0107). Load: 1 µg 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.
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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.