

Datasheet for 003-0205

Chicken IgG Fab Fluorescein

Overview

| | |
|----------------------|--|
| Description: | Chicken IgG Fab Fragment Fluorescein Conjugated - 003-0205 |
| Item No.: | 003-0205 |
| Size: | 1 mg |
| Applications: | SDS-PAGE |
| Origin: | Chicken |

Product Details

| | |
|---------------------------|---|
| 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 opsonization 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. |
| Synonyms: | Chicken IgG Fab fragment fluorescein conjugated, Chicken IgG Fab fragment FITC conjugated, Chicken IgY Fab fragment fluorescein conjugated, Chicken IgY Fab fragment FITC conjugated |
| Species of Origin: | Chicken |
| Conjugate: | Fluorescein (FITC) |
| Format: | IgG Fab |
| Type: | Native Protein |
| F/P Ratio: | 0.4 |

Target Details

| | |
|----------------------------|---|
| Purity/Specificity: | This product was prepared from normal serum by delipidation, salt fractionation and ion change chromatography followed by papain digestion and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein, anti-Chicken IgG, anti-Chicken IgG F(ab') ₂ and anti-Chicken Serum. No reaction was observed against anti-Chicken IgG F(c) or anti-Papain. |
|----------------------------|---|

Application Details

| | |
|-----------------------------|--|
| Tested Applications: | SDS-PAGE |
| Application Note: | CHICKEN IgG Fab fragment Fluorescein conjugated has been tested by SDS-PAGE and 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. |

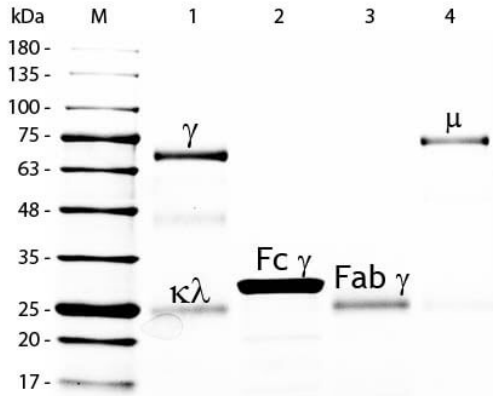
Formulation

| | |
|-------------------------------|--|
| Physical State: | Lyophilized |
| Concentration: | 0.89 mg/mL by UV absorbance at 280 nm |
| Buffer: | 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| Preservative: | 0.01% (w/v) Sodium Azide |
| Stabilizer: | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| Reconstitution Volume: | 1.0 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


SDS-PAGE

SDS-PAGE of Chicken IgG/IgY Whole Molecule Rhodamine Conjugated (p/n 003-0002). Lane M: 5 μ L Opal Prestained Marker (p/n MB-210-0500). Lane 1: Reduced Chicken IgG Whole Molecule Rhodamine Conjugated (p/n 003-0002). Lane 2: Reduced Chicken IgG F(c) Fragment (p/n 003-0103). Lane 3: Reduced Chicken IgG Fab Fragment (p/n 003-0105). Lane 4: Reduced Chicken IgM Whole Molecule (p/n 003-0107). Load: 1 μ g per lane. Predicted/Observed size: IgG at 72 and 25 kDa; F(c) at 25 kDa; Fab at 25 kDa; IgM at 75 kDa. Observed F(c) Fragment migrates slightly higher. Other bands: Chicken IgG heavy chain alternative splicing variant at approximately 40 kDa in Lane 1.

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.