# Rabbit F(ab')2 anti-Hamster generally IgG (H+L)-RPE, MinX none

## General Information

**Catalog Number:** SEC-183711

**Quantity:** 0,5 mg

**Physical State:** Lyophilized

**Reconstitution Volume:** 1.0 mL

**Reconstitution Buffer:** Restore with deionized water (or equivalent)

**Shipping Conditions:** at room temperature

**Product Expiration** Expiration date is one (1) year from date of opening.

## Antibody Host / Format

**Host Species:** Rabbit

**Antibody Format**: IgG F(ab')2 Fragment

**Clonality / Isotype / Clone:** polyclonal Ig

**Concentration:** 0.5 mg/mL by absorbance = 82.0 at 565 nm

**Conjugation:** RPE (R-phycoerythrin)

**Maximum Excitation / Emission**:490 nm;545 nm;566 nm / 580 nm

## Specificity

**Target Species:** Hamster generally

**Antibody Specificity:** IgG (H+L)

**Immunogen:** Anti-Golden Syrian Hamster IgG (H&L) was produced by repeated immunization with Golden Syrian Hamster IgG whole molecule in rabbit.

F(ab')2 Anti-Golden Syrian Hamster IgG Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Golden Syrian Hamster IgG coupled to agarose beads followed by pepsin digestion and chromatographic separation. Coupling to R-PE was followed by size exclusion chromatography to purify conjugate from unreacted R-PE and antibody. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Phycoerythrin, anti-Rabbit Serum, Golden Syrian Hamster IgG and Golden Syrian Hamster Serum. No reaction was observed against anti-Pepsin or anti-Rabbit IgG F(c).

**Minimal Cross Reactivity:** none

## Formulation, Transport and Storage

**Storage Buffer:** 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

**Stabilizer:** 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

**Preservatives:** 0.01% (w/v) Sodium Azide



**Manufacturer**

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Store vial at 4° C prior to restoration. Restore with deionized water (or equivalent). This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Centrifuge product if not completely clear after standing at room temperature. Do not freeze after reconstitution. Store reagent in the dark. Use subdued lighting during handling and incubation of cells prior to analysis.

**Storage Temperature:** 4-8°C

## Application Recommendation

**Application:** Flow Cytometry, Immunofluorescence

**Dilution:** Flow cytometry 1:100 - 1:250, Immunofluorescence 1:100 - 1:250

**Application Note:**

Golden Syrian Hamster IgG (H&L) Antibody is suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity. The maximum amount of reagent required to stain 1 x 10E6 cells in flow cytometry is approximately 1.0 µg of antibody conjugate. Lesser amounts of reagent may be sufficient for staining. Optimal titers for other applications should be determined by the researcher. As a general guideline dilutions of 1:100 to 1:250 should be suitable for most applications.

## Background Information

F(ab')2 Anti-Golden Syrian Hamster IgG Phycoerythrin Antibody was generated by enzymatic cleavage and subsequent separation from the Fc fragment. Because of their smaller size, F(ab)2 fragments offer several advantages over intact antibodies for use in certain immunochemical techniques and experimental applications. F(ab)2 fragments penetrate tissue samples and show better antigen recognition and signal generation in IHC. F(ab)2 fragments lack the Fc region and therefore do not bind Fc receptors which effectively lowers background staining. F(ab')2 Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays. Anti-Golden Syrian Hamster IgG (H&L) Antibody is ideal for investigators in Microbiology, Molecular Biology, and Immunology.

## Safety Information

This reagent contains sodium azide (a poisonous and hazardous substance) as preservative. Although this concentration is not regarded as dangerous to health, appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. Standard Laboratory Practices should be followed when handling this material.

## Disclaimer

This product is warranted to perform in conformance with product specifications and to be free from defects in material and workmanship. Products are supplied for research use only. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated, this warranty is limited to one year from date of shipment when the product is subjected to normal, proper and intended usage. Buyer's exclusive remedy for non-conforming products during the warranty period is limited to replacement of or refund for the non-conforming product(s). There is no obligation to replace products as the result of accident or disaster or inappropriate use of the products in a manner for which they were not designed, or improper storage and handling of the products.



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