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Datasheet for 603-4104

Chicken IgG F(ab')2 Antibody

Overview

Description:	Rabbit Anti-Chicken IgG F(ab')2 Antibody - 603-4104
Item No.:	603-4104
Size:	5 mg
Applications:	ELISA, WB
Reactivity:	Chicken
Host Species:	Rabbit

Product Details

Background:	Anti-Chicken IgG F(ab')2 Antibody generated in rabbit is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme pepsin under controlled conditions of temperature, time and pH. F(ab')2 molecules lack the Fc portion of IgG and therefore receptors that bind Chicken IgG F(c) will not bind Chicken IgG F(ab')2 molecules.
Synonyms:	rabbit anti Chicken IgG F(ab')2 Antibody, rabbit anti Chicken IgG Fab2 Antibody, rabbit anti Chicken IgY F(ab')2
Host Species:	Rabbit
Specificity:	IgG F(ab')2
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Chicken
Immunogen:	Chicken IgG F(ab')2 fragment
Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Chicken IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Chicken IgG, Chicken IgG F(ab')2 and Chicken Serum. No reaction was observed against Chicken IgG F(c).

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Chicken IgG F(ab')2 antibody has been tested by ELISA and western blot and is suitable for immunohistochemistry, as well as other assays requiring lot-to-lot consistency.
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

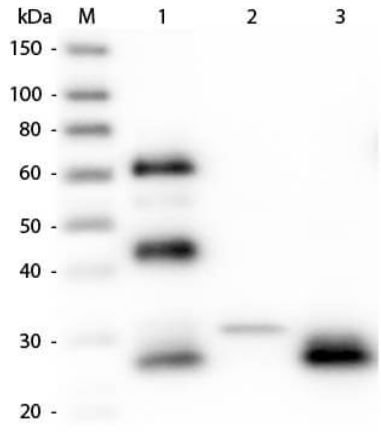
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	5.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Unconjugated Anti-Chicken IgG F(ab')2 (RABBIT) Antibody (p/n 603-4104). Lane M: 3 µl Molecular Ladder. Lane 1: Chicken IgG whole molecule (p/n 003-0102). Lane 2: Chicken IgG F(c) Fragment (p/n 003-0103). Lane 3: Chicken IgG F(ab) Fragment (p/n 003-0105). All samples were reduced. Load: 50 ng per lane. Block: MB-070 for 30 min at RT. Primary Antibody: Anti-Chicken IgG F(ab')2 (RABBIT) Antibody (p/n 603-4104) 1:5,000 for 60 min at RT. Secondary antibody: Anti-Rabbit IgG (GOAT) Peroxidase Conjugated Antibody (p/n 611-103-122) 1:40,000 in MB-070 for 30 min at RT. Predicted/Observed Size: 25 and 72 kDa for Chicken IgY, 25 kDa for F(c) and F(ab). Chicken F(c) migrates slightly higher.

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