

Datasheet for 614-4104

Swine IgG F(ab')₂ Antibody**Overview**

Description:	Rabbit Anti-Swine IgG F(ab') ₂ Antibody - 614-4104
Item No.:	614-4104
Size:	5 mg
Applications:	ELISA
Reactivity:	Pig
Host Species:	Rabbit

Product Details

Background:	Anti-Swine IgG F(ab') ₂ Antibody generated in rabbit recognizes the dimeric Fab portion of the Swine IgG molecule. Swine IgG F(ab') ₂ 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 Swine IgG F(c) will not bind Swine IgG F(ab') ₂ molecules. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition.
Synonyms:	Rabbit Anti Swine IgG F(ab') ₂ Antibody, Rabbit Anti-Swine IgG Fab ₂ Antibody, Rabbit Anti-Swine IgG Fab ₂ Fragment Antibody
Host Species:	Rabbit
Specificity:	IgG F(ab') ₂
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Pig
Immunogen:	Swine IgG F(ab') ₂ fragment

Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Swine 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, Swine IgG, Swine IgG F(ab') ₂ and Swine Serum. No reaction was observed against Swine IgG F(c).
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Application Details

Tested Applications:	ELISA
Application Note:	Anti-Swine IgG F(ab') ₂ antibody has been tested by ELISA and is suitable for use in ELISA, immunohistochemistry, and western blot. Specific conditions for reactivity should be optimized by the end user.
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

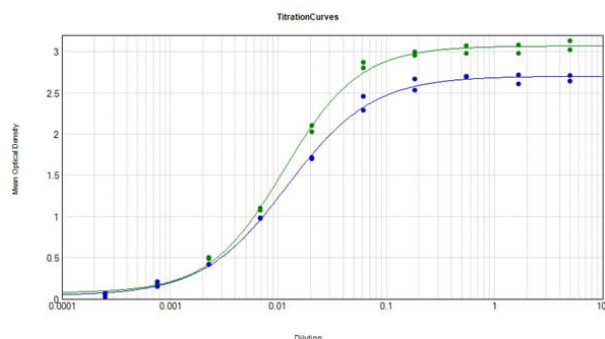
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	4.6 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



ELISA

ELISA Results of Rabbit Anti-Swine IgG F(ab')₂ Antibody tested against purified Swine IgG F(ab')₂. Each well was coated in duplicate with 1.0 µg of Swine IgG F(ab')₂ (p/n 014-0104) [Green Line] and Swine IgG (p/n 014-0102) [Blue Line]. The working dilution of Swine IgG F(ab')₂ is 1:88,000. The starting dilution of antibody was 5µg/ml and the X-axis represents the Log₁₀ of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC₅₀ is defined as the titer of the antibody. Assay performed using HRP Conjugation Stabilizer (p/n MB-076), Goat Anti-Rabbit IgG HRP conjugated (p/n 611-103-122) and TMB substrate (p/n TMBE-1000).

Disclaimer

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