

Datasheet for 614-4504**Swine IgG F(ab')₂ Antibody Alkaline Phosphatase Conjugated****Overview**

Description:	Rabbit Anti-Swine IgG F(ab') ₂ Antibody Alkaline Phosphatase Conjugated - 614-4504
Item No.:	614-4504
Size:	1 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 Fc 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. This Anti-Swine IgG F(ab') ₂ is conjugated to alkaline phosphatase.
Synonyms:	Rabbit Anti-Swine IgG F(ab') ₂ alkaline phosphatase Conjugated Antibody, Rabbit Anti-Swine IgG Fab2 alkaline phosphatase Conjugated Antibody, Rabbit Anti-Swine IgG Fab2 Fragment Antibody alk phos Conjugation
Host Species:	Rabbit
Specificity:	IgG F(ab') ₂
Conjugate:	Alkaline Phosphatase (AP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Pig
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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-Alkaline Phosphatase (calf intestine), anti-Rabbit Serum, Swine IgG, Swine IgG F(ab') ₂ and Swine Serum. No reaction was observed against Swine IgG F(c).

Application Details

Tested Applications:	ELISA
Application Note:	Anti-Swine IgG F(ab') ₂ alkaline phosphatase conjugated 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:	1:1,000 - 1:3,000
IHC:	1:200 - 1:1,000
WB:	1:500 - 1:2,000

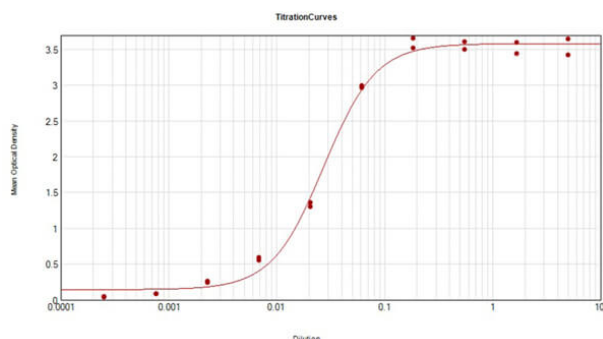
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



ELISA

ELISA Results of Rabbit Anti-Swine IgG F(ab')₂ Antibody Alkaline Phosphatase Conjugate tested against purified Swine IgG F(ab')₂ Alk Phos. Each well was coated in duplicate with 1.0 µg of Swine IgG (p/n 014-0102). The working dilution is 1:37,500. 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 ELISA Alkaline Phosphatase Substrate Buffer (p/n NPP-10) and NPP Working Buffer (p/n NPP-B500).

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.