

Datasheet for 606-4504**Guinea Pig IgG F(ab')₂ Antibody Alkaline Phosphatase Conjugated****Overview**

Description:	Rabbit Anti-Guinea Pig IgG F(ab') ₂ Antibody Alkaline Phosphatase Conjugated - 606-4504
Item No.:	606-4504
Size:	1 mg
Applications:	ELISA
Reactivity:	Guinea Pig
Host Species:	Rabbit

Product Details

Background:	Anti-Guinea Pig IgG F(ab') ₂ Alkaline Phosphatase 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 Guinea Pig IgG F(c) will not bind Guinea Pig 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-Guinea Pig IgG F(ab') ₂ Antibody Alkaline Phosphatase Conjugated, rabbit Anti-Guinea Pig IgG Fab ₂ Fragment Antibody alk phos Conjugated
Host Species:	Rabbit
Specificity:	IgG F(ab') ₂
Conjugate:	Alkaline Phosphatase (AP)
Clonality:	Polyclonal
Format:	IgG

Target Details

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

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

Tested Applications:	ELISA
Application Note:	Anti-Guinea Pig IgG F(ab') ₂ Alkaline Phosphatase conjugate has been tested by ELISA and is suitable for immunoblotting (western or dot blot), ELISA, immunoelectron microscopy and immunohistochemistry as well as other antibody-based enzymatic 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:	1:2,000 - 1:8,000
IHC:	1:200 - 1:1,000
WB:	1:500 - 1:2,000

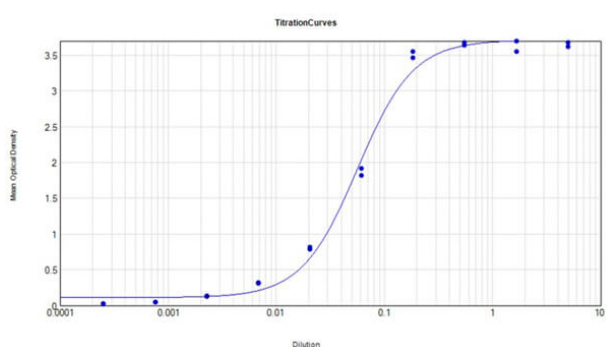
Formulation

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:	0.1% (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 Purified Rabbit Anti-Guinea Pig IgG F(ab')₂ Antibody Alkaline Phosphatase Conjugated tested against purified Guinea Pig IgG F(ab')₂. Each well was coated in duplicate with 1.0 µg of Guinea Pig IgG F(ab')₂ (p/n 006-0104). The working dilution is 1:18,000. 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 NPP ELISA Alk Phos Substrate (p/n NPP-100) and NPP Buffer (p/n NPP-B500).

Disclaimer

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