

Datasheet for 602-4504**Cat IgG F(ab')₂ Antibody Alkaline Phosphatase Conjugated****Overview**

Description:	Rabbit Anti-Cat IgG F(ab') ₂ Antibody Alkaline Phosphatase Conjugated - 602-4504
Item No.:	602-4504
Size:	1 mg
Applications:	ELISA
Reactivity:	Cat
Host Species:	Rabbit

Product Details

Background:	Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the complement cascade, and opsonization for phagocytosis. 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. Anti-Cat IgG F(ab') ₂ antibody is ideal for investigators in Immunology, Cancer, and Microbiology research.
Synonyms:	Rabbit Anti-Cat IgG F(ab') ₂ Alkaline Phosphatase Conjugated Antibody, Rabbit Anti-Cat 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:	Cat
Immunogen:	Cat IgG F(ab') ₂ fragment

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

Tested Applications:	ELISA
Application Note:	Anti-Cat 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:	1:5,000
IHC:	1:200 - 1:1,000
WB:	1:500 - 1:2,500

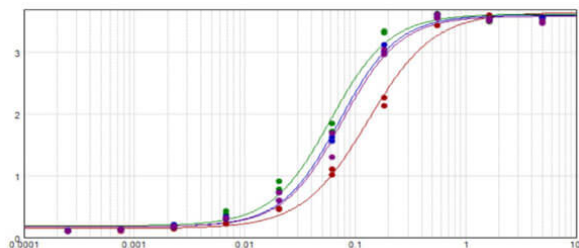
Formulation

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 purified Rabbit Anti-Cat IgG F(ab')₂ Alkaline Phosphatase Conjugated Antibody tested against Cat IgG F(ab')₂. (Red Line) Each well was coated in duplicate with 1.0µg of antigen. 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 Blocking buffer (p/n MB-060-1000) and TMB substrate (p/n TMBE-1000).

Disclaimer

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