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Datasheet for 602-4104

Cat IgG F(ab')2 Antibody

Overview

Description:	Rabbit Anti-Cat IgG F(ab')2 Antibody - 602-4104
Item No.:	602-4104
Size:	2 mg
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 compliment 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 Antibody, rabbit anti Cat IgG Fab2 Antibody
Host Species:	Rabbit
Specificity:	IgG F(ab')2
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-Rabbit Serum, Cat IgG, Cat IgG F(ab')2 and Cat Serum. No reaction was observed against Cat IgG F(c).

Application Details

Application Note:	Anti-Cat IgG F(ab')2 antibody is suitable for ELISA, western blot, and 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:	2.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium 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.

References

- Prisco F et al. Inflammatory myopathy and myocarditis are relevant complications of natural feline immunodeficiency virus infection. *Vet Pathol.* (2025)

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