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Datasheet for 614-4102

Swine IgG (H&L) Antibody

Overview

Description:	Rabbit Anti-Swine IgG (H&L) Antibody - 614-4102
Item No.:	614-4102
Size:	10 mg
Applications:	ELISA
Reactivity:	Pig
Host Species:	Rabbit

Product Details

Background:	SWINE IgG (H&L) (RABBIT) Antibody generated in rabbit detects specifically swine IgG whole molecule. Anti-Swine IgG antibody is ideal for investigators involved in serum protein component research.
Synonyms:	Rabbit anti-Swine Antibody, Anti-Pig IgG (H&L) (Rabbit), Swine Secondary Antibody, Swine in Rabbit Ab, Rabbit anti Swine Antibody
Host Species:	Rabbit
Specificity:	IgG (H&L)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Pig
Immunogen:	Swine IgG whole molecule
Purity/Specificity:	Anti-SWINE IgG (H&L) (RABBIT) Antibody 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, and Swine Serum.

Application Details

Tested Applications:	ELISA
Application Note:	Anti-SWINE IgG (H&L) (RABBIT) Antibody has been tested by ELISA and is suitable for immunoblotting (western or dot blot), ELISA, immunoperoxidase electron microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays requiring lot-to-lot consistency. Specific conditions should be optimized by 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

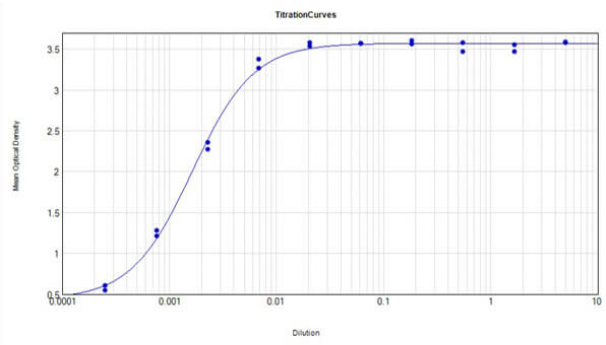
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	8.8mg/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.

Images



ELISA
ELISA Results of Rabbit Anti-Swine IgG Antibody tested against purified Swine IgG. Each well was coated in duplicate with 1.0 µg of Swine IgG (p/n 014-0102). The working dilution is 1:607,000 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).

References

- To H et el. Application of an enzyme-linked immunosorbent assay to detect antibodies to Actinobacillus pleuropneumoniae serovars 1, 2 and 5 in the pig sera. *J Vet Med Sci.* (2026)

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