

Datasheet for 614-4302**Swine IgG (H&L) Antibody Peroxidase Conjugated****Overview**

Description:	Rabbit Anti-Swine IgG (H&L) Antibody Peroxidase Conjugated - 614-4302
Item No.:	614-4302
Size:	2 mg
Applications:	ELISA
Reactivity:	Pig
Host Species:	Rabbit

Product Details

Background:	Anti-Swine IgG whole molecule antibody generated in rabbit detects specifically Swine IgG whole molecule. This secondary antibody anti-Swine is ideal for investigators who routinely perform ELISA, Sandwich ELISA, titration assays, western-blot, immunoprecipitation and more generally immunoassays.
Synonyms:	Rabbit Anti-Swine IgG peroxidase Conjugated Antibody, Rabbit Anti-Swine IgG Antibody HRP Conjugation
Host Species:	Rabbit
Specificity:	IgG (H&L)
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Pig
Immunogen Type:	Native Protein
Immunogen:	Anti-Swine IgG whole molecule was produced by repeated immunization with Swine IgG whole molecule in rabbit.

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-Peroxidase, anti-Rabbit Serum, Swine IgG and Swine Serum.
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Application Details

Tested Applications:	ELISA
Application Note:	Anti-Swine IgG Peroxidase conjugated 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:50,000 - 1:100,000
IHC:	1:500 - 1:2,500
WB:	1:1,000 - 1:5,000

Formulation

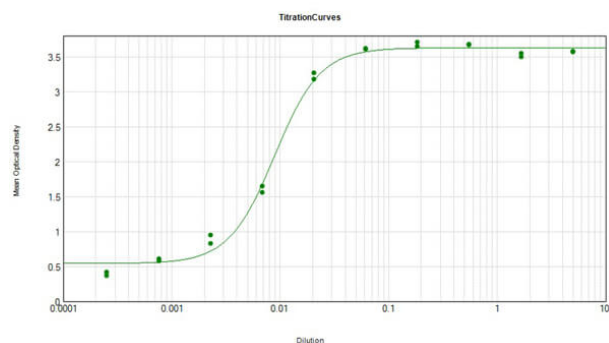
Physical State:	Lyophilized
Concentration:	2 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



ELISA

ELISA Results of Rabbit Anti-Swine IgG Antibody Peroxidase Conjugate tested against purified Swine IgG HRP. Each well was coated in duplicate with 1.0 µg of Swine IgG (p/n 014-0102). The working dilution is 1:112,000. 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 Conjugate Stabilizer (p/n MB-076) and TMB substrate (p/n TMBE-1000).

References

- Teshima K et al. Application of an enzyme-linked immunosorbent assay for detection of antibodies to *Actinobacillus pleuropneumoniae* serovar 15 in pig sera. *J Vet Med Sci.* (2017)

Disclaimer

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