

Datasheet for 212-4301S**Rat Serum Antibody Peroxidase Conjugated****Overview**

Description:	Anti-Rat Serum (RABBIT) Antibody Peroxidase Conjugated - 212-4301S
Item No.:	212-4301S
Size:	25 µL
Applications:	Dot Blot, ELISA
Reactivity:	Rat
Host Species:	Rabbit

Product Details

Background:	Anti-Rat serum antibody detects rat serum proteins. Serum proteins are those proteins remaining in portion of plasma after coagulation of blood, during which process the plasma protein fibrinogen is converted to fibrin and remains behind in the clot. Anti-Rat serum antibody is ideal for investigators involved in Cell Signaling, Cellular Biology and Signal Transduction research.
Synonyms:	rabbit anti-Rat Serum Antibody Peroxidase Conjugated, rabbit anti-Rat Serum HRP conjugated Antibody
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Rat
Immunogen Type:	Native Protein
Immunogen:	Rat Serum Proteins

Purity/Specificity:	Anti-Rat serum is an IgG fraction antibody purified from polyspecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase and anti-Rabbit Serum.
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Application Details

Tested Applications:	Dot Blot, ELISA
Application Note:	Anti-Rat serum Peroxidase Conjugated antibody has been tested by Dot blot and ELISA and is suitable for western blotting, IP and for ELISA. Researchers should determine optimal titers for applications that are not stated below.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
IHC:	User Optimized
WB:	User Optimized

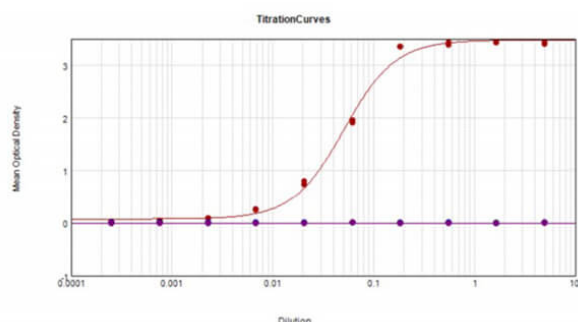
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 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 Polyethylene Glycol (PEG-8000)

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



ELISA

ELISA Results of Rabbit Anti-Rat Serum Antibody Peroxidase Conjugated. Each well was coated in duplicate with 1.0 µg of Rat IgG (p/n 012-0102) [Red Line]. The working dilution is 20,000. 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 TMB substrate (p/n TMBE-1000).

Disclaimer

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