

Datasheet for 600-601-209**Anti-Cyanine (Sheep) Antibody****Overview**

Description:	Anti-Cyanine (SHEEP) Antibody - 600-601-209
Item No.:	600-601-209
Size:	1 mg
Applications:	ELISA
Reactivity:	Cyanine
Host Species:	Sheep

Product Details

Background:	Cyanine is a synthetic family of dyes that can cover the spectrum from infrared to ultraviolet light. Cyanine is useful in protein and nucleic acid labeling. Anti-Cyanine (sheep) antibody is ideal for investigators in Cell Biology, Immunology, and Microbiology research.
Synonyms:	sheep anti Cyanine Antibody
Host Species:	Sheep
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Cyanine
Immunogen Type:	Other
Immunogen:	A mixture of Cy3 and Cy5 conjugated KLH
Purity/Specificity:	Anti-Cyanine (Sheep) antibody was prepared from monospecific antiserum by immunoaffinity chromatography using a cyanine BSA conjugate 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-Sheep Serum and cyanine conjugated IgG. Reactivity was observed against Cy2, Cy3 and Cy5. Reactivity against other cyanine analogs is unknown.

Application Details

Tested Applications:	ELISA
Application Note:	Anti-Cyanine (Sheep) Antibody has been tested by ELISA and is suitable for immunoprecipitation, immunodiffusion, conjugation and most immunological methods requiring lot-to-lot consistency, high titer and specificity.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:50,000
IHC:	User Optimized
WB:	1:1,000 - 1:5,000

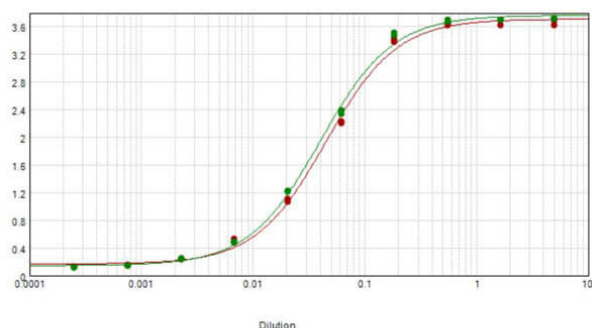
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.1 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) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 2-8° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. 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 of results purified Sheep anti-Cyanine Antibody. Each well was coated in duplicate with 1.0 μ g of BSA-conjugated Cy5. The starting dilution of antibody was 5 μ g/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 MB-060-1000, Donkey anti-Sheep HRP conjugate 1:10,000, and TMB-8000 substrate.

Disclaimer

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