

Datasheet for 600-605-209**Cyanine Antibody Alkaline Phosphatase Conjugated****Overview**

Description:	Anti-Cyanine (SHEEP) Antibody Alkaline Phosphatase Conjugated - 600-605-209
Item No.:	600-605-209
Size:	1 mg
Applications:	Dot Blot, 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. This Anti-Cyanine Antibody is conjugated to Alkaline Phosphatase. Anti-Cyanine (sheep) antibody is ideal for investigators in Cell Biology, Immunology, and Microbiology research.
Synonyms:	sheep anti-Cyanine Antibody alkaline phosphatase Conjugation, alk phos conjugated sheep anti-Cyanine Antibody
Host Species:	Sheep
Conjugate:	Alkaline Phosphatase (AP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Cyanine
Immunogen Type:	Other
Immunogen:	A mixture of Cy3 and Cy5 conjugated KLH

Purity/Specificity:	This product 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-Alkaline Phosphatase (calf intestine), anti-Sheep Serum and cyanine conjugated IgG. Reactivity was observed against Cy2, Cy3 and Cy5. Reactivity against other cyanine analogs is unknown.
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Application Details

Tested Applications:	Dot Blot, ELISA
Application Note:	Anti-Cyanine Alkaline Phosphatase Conjugated Antibody has been tested by ELISA and dot blot. This product has been assayed against 1.0 ug of Cyanine IgG in a standard capture ELISA using pNPP p-nitrophenyl phosphate code # NPP-10 as a substrate for 30 minutes at room temperature. A working dilution of 1:700 to 1:2,800 of the reconstitution concentration is suggested for this product.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:2,000 - 1:10,000
IHC:	1:200 - 1:1,000
WB:	1:500 - 1:2,500

Formulation

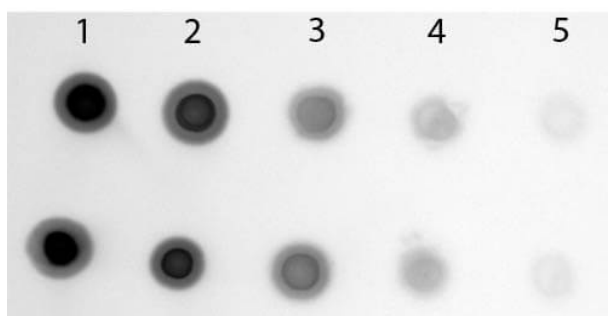
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.

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

Images



Dot Blot

Dot Blot of Sheep anti-Cyanine Antibody Alkaline Phosphatase Conjugated. Antigen: Row 1 - Cy3 Streptavidin Conjugated Row 2 - Cy5 Streptavidin Conjugated. Load: Lane 1 - 200 ng Lane 2 - 66.67 ng Lane 3 - 22.22 ng Lane 4 - 7.41 ng Lane 5 - 2.47 ng. Primary antibody: none. Secondary antibody: Sheep anti-Cyanine Antibody Alkaline Phosphatase Conjugated at 1:1,000 for 60 min at RT. Block: MB-070 for 1 HR at RT. Visualized using NBT-100 Alkaline Phosphatase Substrate for 30 seconds at RT.

Disclaimer

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