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+1 484.791.3823

Datasheet for 613-4503

Sheep IgG Fc Antibody Alkaline Phosphatase Conjugated

Overview

Description:	Rabbit Anti-Sheep IgG Fc Antibody Alkaline Phosphatase Conjugated - 613-4503
Item No.:	613-4503
Size:	1 mg
Applications:	Dot Blot, ELISA
Reactivity:	Sheep
Host Species:	Rabbit

Product Details

Background:	Anti-Sheep IgG F(c) generated in rabbit is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme papain under controlled conditions of temperature, time and pH. Receptors bind the Fc portion of sheep IgG and often this fragment is removed from immunoglobulins to minimize receptor binding and lower background reactivity.
Synonyms:	Rabbit Anti-Sheep IgG F(c) alkaline phosphatase Conjugated Antibody, Rabbit Anti-Sheep IgG Fc alkaline phosphatase Conjugated Antibody, Rabbit Anti-Sheep IgG Fc Fragment Antibody alk phos Conjugation
Host Species:	Rabbit
Specificity:	IgG Fc
Conjugate:	Alkaline Phosphatase (AP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Sheep
Immunogen:	Sheep IgG F(c) fragment

Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Sheep 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-Alkaline Phosphatase (calf intestine), anti-Rabbit Serum, Sheep IgG, Sheep IgG F(c) and Sheep Serum. No reaction was observed against Sheep IgG F(ab).

Application Details

Tested Applications:	Dot Blot, ELISA
Application Note:	Anti-Sheep IgG F(c) Alkaline Phosphatase has been tested by ELISA and dot blot and is assayed against 1.0 ug of Sheep 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 1:1,300 to 1:5,400 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.

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