

Datasheet for 610-4510**Mouse (kappa chain) Antibody Alkaline Phosphatase Conjugated****Overview**

Description:	Rabbit Anti-Mouse κ (kappa chain) Antibody Alkaline Phosphatase Conjugated - 610-4510
Item No.:	610-4510
Size:	1 mg
Applications:	ELISA
Reactivity:	Mouse
Host Species:	Rabbit

Product Details

Background:	Anti-Mouse κ (kappa chain) (RABBIT) Antibody generated in rabbit detects specifically Mouse kappa light chain. Immunoglobulins are heterotetramers composed of 2 immunoglobulin heavy and 2 immunoglobulin light chains. The immunoglobulin light chain is the small polypeptide subunit of an antibody (immunoglobulin). The light chains can be categorized into kappa type or lambda type and both are used to construct the antigen binding F(ab) region of an antibody along with the variable region of the heavy chain. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. Anti-Mouse IgG kappa is conjugated to alkaline phosphatase.
Synonyms:	Rabbit Anti-Mouse κ (kappa chain) Antibody Alkaline Phosphatase Conjugated, Rabbit Anti-Mouse kappa Antibody Alk phos Conjugation
Host Species:	Rabbit
Specificity:	κ (kappa chain)
Conjugate:	Alkaline Phosphatase (AP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Mouse
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Immunogen:	Mouse kappa light chain
Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using antigens 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), and anti-Rabbit Serum. Solid phase adsorption(s) against a panel of Mouse IgG lambda, IgM lambda and IgA lambda proteins was performed. Specificity was confirmed by ELISA at less than 1% cross reactivity against other mouse heavy or light chain isotypes.

Application Details

Tested Applications:	ELISA
Application Note:	Anti-Mouse kappa chain Alkaline Phosphatase conjugate has been tested by ELISA and is suitable for immunoblotting (western or dot blot), ELISA, immunoelectron microscopy and immunohistochemistry as well as other 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:	1:1,000 - 1:2,000
IHC:	1:200 - 1:1,000
WB:	1:500 - 1:1,000

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
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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.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.