

Datasheet for 610-4310**Mouse (kappa chain) Antibody Peroxidase Conjugated****Overview**

Description:	Rabbit Anti-Mouse κ (kappa chain) Antibody Peroxidase Conjugated - 610-4310
Item No.:	610-4310
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 peroxidase.
Synonyms:	Rabbit Anti-Mouse κ (kappa chain) Antibody peroxidase Conjugated, Rabbit Anti-Mouse kappa Antibody HRP Conjugation
Host Species:	Rabbit
Specificity:	κ (kappa chain)
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Mouse
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Immunogen Type:	Native Protein
Immunogen:	Anti-Mouse kappa light chain was produced by repeated immunization with Mouse kappa light chain in rabbit.
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-Peroxidase, anti-Rabbit Serum, Mouse IgG and Mouse Serum. 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 light chain antibody generated in rabbit detects specifically Mouse kappa light chain. Anti-Mouse κ Peroxidase Conjugated Antibody has been tested by ELISA and is ideal for investigators who routinely perform ELISA, Sandwich ELISA, titration assays, western-blot, immunoprecipitation and more generally immunoassays.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 50,000
IHC:	1:500 - 1:2,500
WB:	1:2,000 - 1:5,000

Formulation

Physical State:	Lyophilized
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) Thimerosal
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
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Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. 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.

References

- Kobayashi N, Kato Y, Oyama H, et al. Anti-estradiol-17beta single-chain Fv fragments: Generation, characterization, gene randomization, and optimized phage display. *Steroids*. (2008)

Disclaimer

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