

## Anti-HUMAN (kappa chain) (GOAT) Antibody Peroxidase Conjugated - 609-1310

**Code:** 609-1310

**Size:** 1 mg

**Product Description:** Anti-HUMAN (kappa chain) (GOAT) Antibody Peroxidase Conjugated - 609-1310

**Concentration:** 1.0 mg/mL by UV absorbance at 280 nm

**PhysicalState:** Lyophilized

<b>Label</b>	Peroxidase (Horseradish)
<b>Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Reconstitution Volume</b>	1.0 mL
<b>Reconstitution Buffer</b>	Restore with deionized water (or equivalent)
<b>Stabilizer</b>	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
<b>Preservative</b>	0.01% (w/v) Thimerosal
<b>Storage Condition</b>	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.
<b>Synonyms</b>	Goat Anti-Human (kappa chain) Antibody Peroxidase Conjugation, Goat Anti-Human kappa chain HRP Conjugated Antibody
<b>Application Note</b>	This secondary Anti-Human k (kappa chain) Antibody is ideal for investigators who routinely perform titration assays, western-blot, immunoprecipitation and more generally immunoassays. Anti-human kappa chain Antibody has been assayed against 1.0 ug of human kappa light chain in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenzothiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:2,000 to 1:8,000 of the reconstitution concentration is suggested for this product.
<b>Background</b>	The anti-Human (kappa chain) Antibody detects the kappa chain subunit. 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). In humans 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-Human IgG kappa is conjugated to HRP.
<b>Purity And Specificity</b>	Anti-Human k (kappa chain) Antibody has been prepared from monospecific antisera by immunoaffinity chromatography using Human Kappa coupled to agarose beads. Specificity was confirmed by ELISA. In order to assure specificity cross-adsorptions were performed against a panel of Human IgM Lambda, Human IgG Lambda and Human IgA Lambda proteins.
<b>Assay Dilutions</b>	User Optimized
<b>ELISA</b>	1:77,000
<b>Western Blot</b>	1:1,000 - 1:10,000
<b>Immunohistochemistry</b>	1:500 - 1:2,000
<b>Other Assays</b>	User Optimized
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Immunogen</b>	Anti-Human kappa chain was produced by repeated immunization with human kappa light chain in goat.
<b>General Reference</b>	Janeway, Jr., Travers, Walport, and Shlomchik. "The Immune System in Health and Disease." Immunobiology, 5th Edition: Garland Science: 2001.
<b>Related Products</b>	

209-1103	Anti-HUMAN IgG F(c) (GOAT) Antibody - 209-1103
209-1104	Anti-HUMAN IgG F(ab') <sub>2</sub> (GOAT) Antibody - 209-1104
609-1011	Anti-HUMAN ? (lambda chain) (GOAT) Antibody Rhodamine Conjugated - 609-1011

#### **Disclaimer**

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