

Datasheet for 609-1110**Human (kappa chain) Antibody****Overview**

Description:	Goat Anti-Human κ (kappa chain) Antibody - 609-1110
Item No.:	609-1110
Size:	1 mg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Goat

Product Details

Background:	The anti-Human κ (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.
Synonyms:	Goat Anti-Human κ (kappa chain) Antibody, Goat Anti-Human kappa chain Antibody
Host Species:	Goat
Specificity:	κ (kappa chain)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Human
Immunogen:	Human kappa light chain
Purity/Specificity:	Human κ (kappa chain) Antibody 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-Goat Serum. Specificity for kappa chain was confirmed by ELISA minimal cross reactivity against other human heavy or lambda light chain isotypes.

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Human κ antibody has been tested by ELISA and western blot and is suitable for immunohistochemistry and immunoassays where specificity to the immunoglobulin kappa subunit is desired. Optimal concentrations in immunoassays should be determined by the researcher.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IHC:	1:500 - 1:2,000
WB:	1:1,000 - 1:10,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.125 M Sodium Borate, 0.075 M Sodium Chloride, 0.005 M EDTA, pH 8.0
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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