

产品名称: Kappa light chain (15R1) Rabbit Monoclonal Antibody
产品货号: AMRe12897



产品概述 (Summary)

产品名称 (Production Name)	Kappa light chain (15R1) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,IP,IF-P
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	IGKC
别名 (Alternative Names)	HCAK1; Ig kappa chain C region; IGKCD; Immunoglobulin InV;
基因 ID (Gene ID)	
蛋白 ID (SwissProt ID)	P01834.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:2000-1:20000,IHC 1:1000-1:5000,IP 1:10-1:100,IF-P 1:1000-1:5000
蛋白分子量 (Molecular Weight)	12kDa

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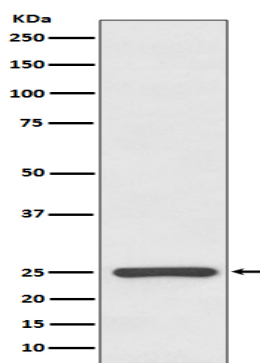
研究背景 (Background)

The five types of immunoglobulin heavy chains are known as: IgG, IgA, IgM, IgD, and IgE. IgG is divided into four subclasses, and IgA is divided into two subclasses. In serum IgA and IgG are monomers with a single 4 polypeptide unit; while, IgM is a pentamer. IgA may also form polymers. Kappa light chain antibody can be used for the identification of leukemias, plasmacytomas and certain non Hodgkin's lymphomas. Constant region of immunoglobulin light chains. Immunoglobulins, also known as antibodies, are membrane-bound or secreted glycoproteins produced by B lymphocytes. In the recognition phase of humoral immunity, the membrane-bound immunoglobulins serve as receptors which, upon binding of a specific antigen, trigger the clonal expansion and differentiation of B lymphocytes into immunoglobulins-secreting plasma cells. Secreted immunoglobulins mediate the effector phase of humoral immunity, which results in the elimination of bound antigens (PubMed: [22158414](http://www.uniprot.org/citations/22158414), PubMed: [20176268](http://www.uniprot.org/citations/20176268)). The antigen binding site is formed by the variable domain of one heavy chain, together with that of its associated light chain. Thus, each immunoglobulin has two antigen binding sites with remarkable affinity for a particular antigen. The variable domains are assembled by a process called V-(D)-J rearrangement and can then be subjected to somatic hypermutations which, after exposure to antigen and selection, allow affinity maturation for a particular antigen (PubMed: [17576170](http://www.uniprot.org/citations/17576170), PubMed: [20176268](http://www.uniprot.org/citations/20176268)).

研究领域 (Research Area)

Immunology

图片 (Image Data)



Western blot analysis of Kappa light chain expression in human plasma lysate.

注意事项 (Note)

For research use only .