



## Rabbit anti-mouse Kappa light chain/Alexa Fluor 647 antibody

SL0330R-AF647

<b>Product Name:</b>	Rabbit anti-mouse Kappa light chain/Alexa Fluor 647
<b>Chinese Name:</b>	Alexa Fluor 647标记的兔抗小鼠k链
<b>Alias:</b>	Ig kappa chain C region; HCAK 1; HCAK1; Ig kappa chain C region; IGKC; Immunoglobulin kappa constant; Immunoglobulin kappa constant region; Immunoglobulin kappa light chain; Kappa 1 immunoglobulin light chain; kappa light chain; Km; MGC111575; MGC62011; MGC72072; MGC88770; MGC88771; MGC88809.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	IgG
<b>Applications:</b>	Flow-Cyt=1:100-1000IF=1:100-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	25kDa
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	2mg/1ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from mouse Kappa li:
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Storage: Store at -20 oC for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20oC. When reconstituted in sterile distilled water or diluent supplied, theantibody is stable for at least two weeks at 2-4 °C.
<b>Product Detail:</b>	Immunoglobulins belong to a group of related glyco proteins which make up 20% of serum proteins. Antigens and immunoglobulins react to confer immunity to individuals. Immunoglobulins have similar structures of two identical heavy chains and two identical light chains. Both the heavy chains and the light chains are divided into

constant and variable regions. The constant regions have the same amino acid sequences between all the immunoglobulin classes. The variable regions have approximately 110 amino acids with high sequence variability. The amino acid sequence of the heavy chain determines the class of an immunoglobulin. 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. Kappa light chain contains one immunoglobulin like domain. The EU sequence has the INV allotypic marker, Ala 45 and Val 83. The ROY sequence has the INV allotypic marker, Ala 45 and Leu 83.

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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