

## PE Anti-Mouse Ig light chain $\kappa$ Antibody[187.1]

Catalog Number: AN00650D

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Reactivity</b>	Mouse
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG1, $\kappa$
<b>Clone No.</b>	187.1
<b>Isotype Control</b>	PE Rat IgG1, $\kappa$ Isotype Control[HRPN] [Product E-AB-F09822D]
<b>Conjugation</b>	PE
<b>Conjugation Information</b>	PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green (561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

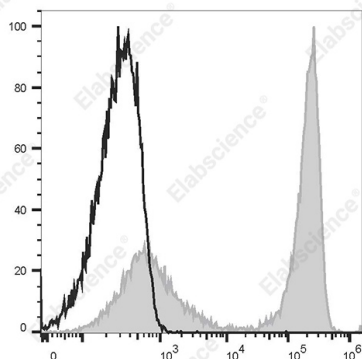
### Applications

FCM

### Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### Data



Staining of C57BL/6 murine splenocytes cells with PE Anti-Mouse Ig light chain  $\kappa$  Antibody[187.1](left) or PE Rat IgG1,  $\kappa$  Isotype Control (right). Total viable cells were used for analysis.

### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	Immunoglobulin light chain kappa
<b>Gene ID</b>	243469

### For Research Use Only

## Background

The 187.1 monoclonal antibody reacts with the kappa chain of the mouse immunoglobulin light chain. The  $\kappa$  chain is one of two types of polypeptide subunits which make up the immunoglobulin light chain. A typical antibody is composed of two immunoglobulin heavy chains and two immunoglobulin light chains. The  $\kappa$  chain is coded for by V (variable), J (joining) and C (constant) genes. These genes undergo V(D)J recombination to generate a diverse repertoire of immunoglobulins.