

## Monoclonal Antibody to Chicken Lambda light chain - PE

**Alternate names:** Ig lambda chain C regions

**Catalog No.:** AM08129RP-N

**Quantity:** 0.1 mg

**Concentration:** 0.1 mg/ml

**Background:** All five immunoglobulin classes share the same basic four polypeptide chain structure of two heavy-chains and two light chains. There are five heavy chain types, and two light-chain types (Kappa and Lambda) both having a molecular weight of 22.5kDa. Any heavy-chain type can associate with either light-chain type, but on any immunoglobulin molecule both light-chains are of the same type. Kappa and Lambda consist of a variable region and a constant region and can easily be differentiated by the antigenic properties of the constant region. The ratio of Kappa to Lambda is 70:30, the vast majority of which is bound to heavy-chain in immunoglobulin. In normal individuals low levels of free light-chain are present in serum (kappa, 1.6-15.2 mg/L; Lambda, 0.4-4.2mg/L), with the occurrence of multiple myeloma or other B-cell malignancies these levels can be greatly elevated and can be found at high levels in the urine (Bence-Jones proteins).

**Host / Isotype:** Mouse / IgG1

**Clone:** L-1

**Format:** **State:** Liquid purified Ig fraction.  
**Buffer System:** PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent.  
**Label:** PE – R-Phycoerythrin

**Applications:** **Flow Cytometry:** < / = 0.2 µg/10e6 cells.

**Immunofluorescence.**

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:** This antibody recognizes Lambda light chains of Chicken Immunoglobulin. (Ref.1)

**Species:** Chicken.

Other species not tested.

**Storage:** Store the antibody undiluted at 2-8°C.

**DO NOT FREEZE!**

This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

**General Readings:** 1. Chen, C.H., J.E. Lehmeyer, and M.D. Cooper. 1982. J. Immunol. 129:2580-2585.

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)