

Monoclonal Antibody to Chicken Macrophages (+ Monocytes) - PE

Catalog No.: AM08143RP-N

Quantity: 0.1 mg

Concentration: 0.1 mg/ml

Background: Monocyte and macrophage are white blood cells that roam the body tissues engulfing foreign organisms.

A monocyte is a leukocyte, part of the human body's immune system that protects against blood-borne pathogens and moves quickly (aprox. 8-12 hours) to sites of infection in the tissues. Monocytes are usually identified in stained smears by their large bi-lobed nucleus. Macrophages are cells within the tissues that originate from specific white blood cells called monocytes. Monocytes and macrophages are phagocytes, acting in both nonspecific defense (or innate immunity) as well as specific defense (or cell-mediated immunity) of vertebrate animals. Their role is to phagocytize (engulf and then digest) cellular debris and pathogens either as stationary or mobile cells, and to stimulate lymphocytes and other immune cells to respond to the pathogen.

Host / Isotype: Mouse / IgG1

Clone: KUL01

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:** $< / = 0.2 \mu\text{g}/10\text{e}6$ cells. (Ref.1,2)

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

Specificity: This antibody is specific to Chicken Monocytes and Macrophages. The antibody does not react with B (Bu-1+) or T (CD3+) lymphocytes.

This antibody is useful in the study of the development, distribution, function and ontogeny of the mononuclear phagocyte system (MPS) of the chicken by exclusively recognizing the cells of the MPS. It identifies Chicken Monocytes and Macrophages as well as interdigitating cells and activated microglia cells.

Species: Chicken.

Other species not tested.

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

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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

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. Mast, J., B.M. Goddeeris, K. Peeters, F. Vandesande, and L.R. Berghman. 1998 Vet. Immunol. Immunopathol. 61:343.

2. Wigley, P., A. Berchieri, K.L. Page, A.L. Smith, and P.A. Barrow. 2001. Infect. Immun. 69:7873.

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