Mouse Anti-Chicken Monocyte/Macrophage

**Overview**

**Clone**
KUL01

**Isotype**
Mouse (BALB/c) IgG1k

**Immunogen**
Chicken peripheral blood mononuclear cell leukocytes

**Specificity**
Chicken Monocyte/Macrophage

**Alternate Name(s)**
N/A

**Description**
The monoclonal antibody KUL01 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.  This antibody does not react with B (Bu-1+) or T (CD3+) lymphocytes.

**Applications**

FC – Quality tested 1,3,4,14-21
IHC-FS – Reported in literature 1-9
IHC-PS – Reported in literature 10,11
IHC-WM – Reported in literature 12
ICC – Reported in literature 6,7,13,14
Sep – Reported in literature 6,9,14,22,23

**Working Dilutions**

**Flow Cytometry**

- Purified (UNLB) antibody
  - ≤ 1 µg/10^6 cells
- FITC, BIOT, and AF488 conjugates
  - ≤ 1 µg/10^6 cells
- PE conjugate
  - ≤ 0.2 µg/10^6 cells
- AF647 conjugate
  - ≤ 0.1 µg/10^6 cells

For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL

**Other Applications**

Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

**For Research Use Only.  Not for Diagnostic or Therapeutic Use.**
Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. **No preservatives or amine-containing buffer salts added.** Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaNO₃. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaNO₃. Store at 2-8°C.
- The R-phycocerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaNO₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Alexa Fluor® 488 (AF488) and Alexa Fluor® 647 (AF647) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaNO₃. Store at 2-8°C.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

References