

AM08056PU-N**Monoclonal Antibody to Ly6c - Purified**

Alternate names:	Ly-6C2, Ly6C2, Lymphocyte antigen 6C2, Mouse Macrophage Marker
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Background:	Ly-6C is a member of the Ly-6 multigene family of type V glycoposphatidylinositol-anchored cell surface proteins. It is expressed on bone marrow cells, monocytes/macrophages, neutrophils, endothelial cells, and T-cell subsets. Mice with the Ly-6.2 allotype (e.g., AKR, C57BL, C57BR, C57L, DBA/2, PL, SJL, SWR, 129) have subsets of CD4+Ly-6C+ and CD8+Ly-6C+ cells, while Ly-6.1 strains (e.g., A, BALB/c, CBA, C3H/He, DBA/1, NZB) have only CD8+Ly-6C+ lymphocytes. Ly-6C may play a role in the development and maturation of lymphocytes. (Ref.1-4)
Uniprot ID:	P09568
NCBI:	NP_001092687.1
GeneID:	17067
Host / Isotype:	Rat / IgG2c
Clone:	HK1.4
Format:	State: Liquid purified Ig fraction. Buffer System: 100 mM Borate Buffered Saline, pH 8.2. No preservatives or amine-containing buffer salts added.
Applications:	Flow Cytometry: < / = 1 µg/10e6 cells. (Ref.1,2) Immunohistochemistry on Frozen Sections. (Ref.5) In vitro Activation of T Lymphocytes. (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 Murine Ly-6C (Mr. 18 kDa) Species: Mouse. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Herold, K.C., A.G. Montag, S.M. Meyer, C. Wojcikowski, and F.W. Fitch. 1990. Diabetes 39:815. 2. Jutila, M.A., F.G.M. Kroese, K.L. Jutila, A.M. Stall, S. Fleming, L.A. Herzenberg, E.L. Berg, and E.C. Butcher. 1988. Eur. J. Immunol. 18:1819. 3. Johnson, R., D.W. Lancki, and F.W. Fitch. 1993. J. Immunol. 151:2986. 4. Lancki, D.W., P. Fields, D. Qian, and F.W. Fitch. 1995. Immunol. Rev. 146:117. 5. Southern Biotechnology Associates, Inc. Unpublished observations.

Pictures:

Immunofluorescent Staining: Bone marrow cells from C57BL/6 mice were labeled with purified Rat anti-Mouse Ly-6C and then stained with Goat anti-Rat IgG-FITC. Large cells were gated and analyzed by flow cytometry. Amount Used: 1 µg/10e6 cells.

