

AM08056FC-N**Monoclonal Antibody to Ly6c - FITC**

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: PBS containing 0.09% Sodium Azide as preservative. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: $\leq 1 \mu\text{g}/10^6$ 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 Murine Ly-6C (Mr. 18 kDa) Species: Mouse. Other species not tested.
Storage:	Store undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Herold KC, Montag AG, Meyer SM, Wojcikowski C, Fitch FW. Expression of Ly-6C by T lymphocytes of NOD mice after CD3-complex stimulation. Identification of activated cells during insulinitis of prediabetic mice. <i>Diabetes</i> . 1990 Jul;39(7):815-20. PubMed PMID: 2162302. 2. Jutila MA, Kroese FG, Jutila KL, Stall AM, Fiering S, Herzenberg LA, et al. Ly-6C is a monocyte/macrophage and endothelial cell differentiation antigen regulated by interferon-gamma. <i>Eur J Immunol</i> . 1988 Nov;18(11):1819-26. PubMed PMID: 2849552. 3. Johnson R, Lancki DW, Fitch FW. Accessory molecules involved in antigen-mediated cytotoxicity and lymphokine production by cytotoxic T lymphocyte subsets. I. Identification of functions for the T cell surface molecules Ly-6C and Thy-1. <i>J Immunol</i> . 1993 Sep 15;151(6):2986-99. PubMed PMID: 8104217.

4. Lancki DW, Fields P, Qian D, Fitch FW. Induction of lytic pathways in T cell clones derived from wild-type or protein tyrosine kinase Fyn mutant mice. *Immunol Rev.* 1995 Aug;146:117-44. PubMed PMID: 7493751.