

Product datasheet for **AM08056FC-N**

Ly6c1 Rat Monoclonal Antibody [Clone ID: HK1.4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	HK1.4
Applications:	FC
Recommended Dilution:	Flow Cytometry: $\leq 1 \mu\text{g}/10^6$ cells (Ref.1,2).
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2c
Clonality:	Monoclonal
Specificity:	This antibody is specific to Murine Ly-6C (Mr. 18 kDa)
Formulation:	PBS containing 0.09% Sodium Azide as preservative. Label: FITC State: Liquid purified Ig fraction. Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Conjugation:	FITC
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	lymphocyte antigen 6 complex, locus C1
Database Link:	Entrez Gene 17067 Mouse POCW02



[View online »](#)

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)

Synonyms:

Lymphocyte antigen 6C2, Ly-6C2, Ly6C2, Mouse Macrophage Marker