

## Product datasheet for **AM08056RP-N**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	HK1.4
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> < / = 0.2 µg/10e6 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 and a stabilizing agent. Label: PE State: Liquid purified Ig fraction. Label: R-Phycoerythrin
Concentration:	lot specific
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> 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:	<a href="#">Entrez Gene 17067 Mouse</a> <a href="#">POCW02</a>



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**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