

Product datasheet for **AM08064RP-N**

Klra3 Hamster Monoclonal Antibody [Clone ID: 14B11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	14B11
Applications:	FC
Recommended Dilution:	Flow Cytometry: < / = 0.2 µg/10e6 cells. (Ref.1,3)
Reactivity:	Mouse
Host:	Hamster
Isotype:	IgG
Clonality:	Monoclonal
Specificity:	This antibody is specific to an epitope common to the Ly49C, Ly49F, Ly49H and Ly49I allelic/splice variants. The antibody stains ~ 90% of NK1.1+CD3- splenocytes, and ~ 6% of CD8+ spleen cells from C57BL/6 mice. (Ref.1) The antibody also stains 30-80% of NK1.1+CD3-splenocytes in other mouse strains tested (BALB/c, C3H, 129, SJL, AKR/J).
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. DO NOT FREEZE! This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	killer cell lectin-like receptor, subfamily A, member 3
Database Link:	<u>Entrez Gene 16640 Mouse</u> <u>Entrez Gene 16634 Mouse</u> <u>Q64329</u>



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Background:

Ly49C, Ly49F, Ly49H and Ly49I are members of the lectin like homodimeric Ly49 family of cell surface receptors. Mouse Ly49 receptors exhibit allelic specificity for MHC class I Ia molecules and are thought to serve to prevent natural killer (NK) cells from attacking normal cells, while allowing them to attack infected or transformed cells in which class I molecules have been down regulated. (Ref.2) These inhibitory receptors are also expressed on a subpopulation of mouse CD8+ T cells.

Synonyms:

Ly49C, Ly49F, Ly49H, Ly49I, Ly-49H, Ly-49C, Ly-49F, Ly-49I, Klra3, Klra9, Klra8, Klra6