

## Product datasheet for **AM08064PU-N**

### **Klra3 Hamster Monoclonal Antibody [Clone ID: 14B11]**

#### **Product data:**

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Clone Name:           | 14B11  |
| Applications:         | FC   |
| Recommended Dilution: | <b>Flow Cytometry:</b> < / = 1 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.<br>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:          | 100 mM Borate Buffered Saline, pH 8.2.<br>No preservatives or amine-containing buffer salts added.<br>State: Purified<br>State: Liquid purified Ig fraction.   |
| Concentration:        | lot specific   |
| Conjugation:          | Unconjugated   |
| Storage:              | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>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:        | <a href="#">Entrez Gene 16640 Mouse</a> <a href="#">Entrez Gene 16634 Mouse</a><br><a href="#">Q64329</a>  |



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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