

## Product datasheet for **SM2227LE**

### NCR1 Mouse Monoclonal Antibody [Clone ID: AKS1]

#### Product data:

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Clone Name:           | AKS1   |
| Applications:         | FC, FN, IF, WB   |
| Recommended Dilution: | <b>Western Blot.</b><br><b>Immunofluorescence.</b><br><b>Functional Assays.</b><br><b>Flow Cytometry:</b> Use 10 µl of 1/5-1/200 diluted antibody to label 10e6 cells in 100 µl.   |
| Reactivity:           | Bovine   |
| Host:                 | Mouse  |
| Isotype:              | IgG1   |
| Clonality:            | Monoclonal   |
| Immunogen:            | Fusion protein consisting of the extracellular region of Bovine CD335.   |
| Specificity:          | This Low Endotoxin antibody is specific for Bovine CD335, also known as NKp46 and Natural cytotoxicity triggering receptor 1.<br>Clone AKS1 is reported to activate lysis of FcγR-expressing cell line P815, by IL-2 activated NKp46+ cells (2). |
| Formulation:          | PBS, pH 7.4 containing no preservatives.<br>State: Low Endotoxin<br>State: Liquid purified IgG fraction  |
| Concentration:        | lot specific   |
| Purification:         | Affinity Chromatography on Protein G   |
| Conjugation:          | Unconjugated   |
| Storage:              | Store the antibody undiluted at -20°C.<br>Should this product contain a precipitate we recommend microcentrifugation before use.<br>Avoid repeated freezing and thawing  |
| Stability:            | Shelf life: one year from despatch.  |
| Database Link:        | <a href="#">Entrez Gene 369024 Bovine Q863H2</a>   |



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- Background:** CD335 is a type I transmembrane protein, with two extracellular C2-type immunoglobulin-like domains, which functions as an activating receptor. CD335 is expressed by human natural killer cells (4). The bovine homologue is expressed on bovine NK cells (2) and no expression of CD335 has been detected on B cells, T cells, monocytes or granulocytes.
- Synonyms:** NCR1, LY94, NKp46
- Note:** **Endotoxin Level:** < 0.01EU/ug.