

## Product datasheet for **AM60015BT-N**

### **Ncr1 Rat Monoclonal Antibody [Clone ID: 29A1.4]**

#### **Product data:**

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Clone Name:           | 29A1.4   |
| Applications:         | FC   |
| Recommended Dilution: | <b>Flow Cytometry:</b> Use 10 µl of 1/5-1/10 diluted antibody to label 1 <sup>0</sup> cells in 100 µl.   |
| Reactivity:           | Mouse  |
| Host:                 | Rat  |
| Isotype:              | IgG2a  |
| Clonality:            | Monoclonal   |
| Immunogen:            | NKP46-IgG1 Fc fusion protein   |
| Specificity:          | This antibody (clone 29A1.4) recognizes natural killer cell p46 related protein (NKp46) also known as CD335.<br>Staining is not strain specific and the antibody has been used to stain C57BL/6, SJL, CBA/CA and BALB/c Mouse strains.<br>Clone 29A1.4 also activates NK cells <i>in vitro</i> . It does not deplete NK cells <i>in vivo</i> . |
| Formulation:          | PBS<br>Label: Biotin<br>State: Purified<br>State: Liquid purified IgG fraction<br>Preservative: 0.09% Sodium Azide   |
| Concentration:        | lot specific   |
| Conjugation:          | Biotin   |
| Storage:              | Store undiluted at 2-8°C.<br><b>DO NOT FREEZE!</b>   |
| Stability:            | Shelf life: one year from despatch.  |
| Gene Name:            | natural cytotoxicity triggering receptor 1   |
| Database Link:        | <a href="#">Entrez Gene 17086 Mouse Q8C567</a>   |



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**Background:** CD335 is uniquely expressed by resting and activated natural killer (NK) cells, but no expression of CD335 has been detected on B cells, T cells, monocytes or granulocytes. It is a major NK cell lysis receptor for autologous pathogen-infected and tumor target cells during natural cytotoxicity responses. Ligands of CD335 include viral hemagglutinins (HAs) and heparan sulfate proteoglycans (HSPGs) on the surface of tumor cells.

**Synonyms:** NCR1, LY94, NKp46