

## ARG22547 anti-NCR1 antibody [AKS1] (PE)

Package: 50 tests

Store at: 4°C

### Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [AKS1] recognizes NCR1 This antibody recognizes bovine CD335, also known as Nkp46 and Natural cytotoxicity triggering receptor 1. 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 (Sivori et al. 1997). The bovine homologue is expressed on bovine NK cells (Storset et al. 2004) and no expression of CD335 has been detected on B cells, T cells, monocytes or granulocytes. Clone AKS1 is reported to activate lysis of FcγR-expressing cell line P815, by IL-2 activated NKp46+ cells (Storset et al. 2004).
Tested Reactivity	Bov
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	AKS1
Isotype	IgG1
Target Name	NCR1
Species	Bovine
Immunogen	Fusion protein consisting of the extracellular region of bovine CD335.
Conjugation	PE
Alternate Names	CD antigen CD335; Natural killer cell p46-related protein; Lymphocyte antigen 94 homolog; Natural cytotoxicity triggering receptor 1; hNKp46; NKP46; NKp46; NK cell-activating receptor; LY94; CD335; NK-p46

### Application Instructions

Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>FACS</td><td>Neat</td></tr></tbody></table>	Application	Dilution	FACS	Neat
Application	Dilution				
FACS	Neat				
Application Note	FACS: Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				

### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.09% Sodium azide, 1% BSA and 5% Sucrose.
Preservative	0.09% Sodium azide
Stabilizer	1% BSA and 5% Sucrose

**Storage instruction**

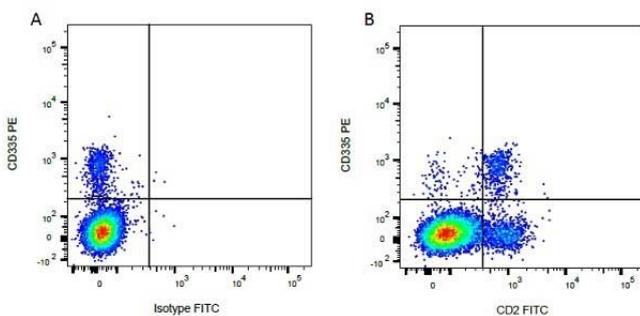
Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note**

For laboratory research only, not for drug, diagnostic or other use.

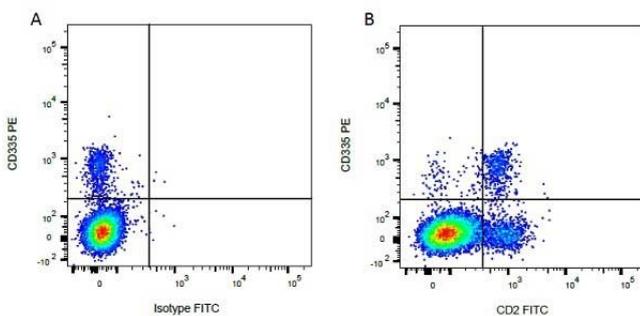
**Bioinformation**

Gene Symbol	NCR1
Gene Full Name	natural cytotoxicity triggering receptor 1
Function	Cytotoxicity-activating receptor that may contribute to the increased efficiency of activated natural killer (NK) cells to mediate tumor cell lysis. [UniProt]
Calculated Mw	34 kDa
PTM	N-glycosylated. O-glycosylated.

**Images**

ARG22547 anti-NCR1 antibody [AKS1] (PE) FACS image

Flow Cytometry: Figure A. ARG22547 anti-NCR1 antibody [AKS1] (PE) and FITC conjugated Mouse IgG1 isotype control. Figure B. ARG22547 anti-NCR1 antibody [AKS1] (PE) and FITC conjugated Mouse anti Bovine CD2. All experiments performed on red cell lysed Bovine blood gated on mononuclear cells.



ARG22547 anti-NCR1 antibody [AKS1] (PE) FACS image

Flow Cytometry: Figure A. FITC conjugated Mouse anti Bovine CD2 and PE-conjugated Mouse IgG1 isotype control. Figure B. FITC conjugated Mouse anti Bovine CD2 and ARG22547 anti-NCR1 antibody [AKS1] (PE). All experiments performed on red cell lysed Bovine blood gated on mononuclear cells.