

Monoclonal Antibody to CD335 / NKp46 - PE

Alternate names:	LY94, NCR1, NK cell-activating receptor, NKp46, Natural cytotoxicity triggering receptor, Natural killer cell p46-related protei
Catalog No.:	SM2227R
Quantity:	100 Tests
Concentration:	0.1 mg/ml
Background:	CD335 is a type I transmembrane protein, with two extracellular C2-type immunoglobulin-like domains, which functions as an activating receptor. CD335 is primarily expressed by a subset natural killer (NK) cells. No expression of CD335 has been detected on B cells, T cells, monocytes or granulocytes.
Uniprot ID:	Q863H2
NCBI:	NP_899209.1
GeneID:	369024
Host / Isotype:	Mouse / IgG1
Clone:	AKS1
Immunogen:	Fusion protein consisting of the extracellular region of bovine CD335. Spleen cells from immunised Balb/c mice were fused with cells of the NS-0 myeloma cell line.
Format:	State: Lyophilised purified IgG fraction. Purification: Affinity Chromatography on Protein G. Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer Label: PE – R. Phycoerythrin (RPE) Reconstitution: Restore with 1 ml distilled water
Applications:	Flow Cytometry: neat- 1/5; use 10 µl of the suggested working dilution to label 10 ⁶ cells in 100 µl. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific for CD335, also known as NKp46 and Natural cytotoxicity triggering receptor 1. Clone AKS1 is reported to activate lysis of FcγR-expressing cell line P815, by IL-2 activated NKp46+ cells. Species: Bovine. Other species not tested.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

Storage:

Prior to and following reconstitution store the antibody at 2-8°C.

DO NOT FREEZE!

This product is photosensitive and should be protected from light.

Shelf life: one year from despatch.

General References:

1. Storset, A.K. et al. (2003) Natural killer cell receptors in cattle: a bovine killer cell immunoglobulin- like receptor multigene family contains members with divergent signaling motifs. *Eur. J. Immunol.* 33:980-990.
2. Storset, A.K. et al. (2004) NKp46 defines a subset of bovine leukocytes with natural killer characteristics. *Eur. J. Immunol.* 34:669-676.
3. Kulberg, S. et al. (2004) Reference values for relative numbers of natural killer cells in cattle blood. *Dev. Comp. Immunol.* 28:941-948.

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