

Product datasheet for **AM60015FC-N**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	29A1.4
Applications:	FC
Recommended Dilution:	Flow cytometry: 1/5-1/10, use 10µl of this suggested working dilution to label 10e6 cells in 100µl.
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. Staining is not strain specific and the antibody has been used to stain C57BL/6, SJL, CBA/CA and BALB/c mouse strains. Clone 29A1.4 also activates NK cells <i>in vitro</i> . It does not deplete NK cells <i>in vivo</i> .
Formulation:	PBS containing 0.09% Sodium azide Label: FITC State: Purified State: Liquid purified IgG Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Conjugation:	FITC
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	natural cytotoxicity triggering receptor 1
Database Link:	Entrez Gene 17086 Mouse Q8C567



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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