

**CD337 (PN0363) Nb-FC recombinant antibody**

<b>Catalog No :</b>	YA0314
<b>Reactivity :</b>	Human
<b>Applications :</b>	ELISA;FCM
<b>Target :</b>	CD337
<b>Gene Name :</b>	NCR3 1C7 LY117
<b>Protein Name :</b>	Natural cytotoxicity triggering receptor 3 (Activating natural killer receptor p30) (Natural killer cell p30-related protein) (NK-p30) (NKp30) (CD antigen CD337)
<b>Human Gene Id :</b>	259197
<b>Human Swiss Prot No :</b>	O14931
<b>Immunogen :</b>	Purified recombinant Human CD337
<b>Specificity :</b>	This recombinant monoclonal antibody can detects endogenous levels of CD337 protein.
<b>Formulation :</b>	Phosphate-buffered solution
<b>Source :</b>	Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell
<b>Dilution :</b>	ELISA 1:5000-100000 FCM 1-2µg/Test
<b>Purification :</b>	Recombinant Expression and Affinity purified
<b>Concentration :</b>	Please check the information on the tube
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
<b>Background :</b>	The p30-15 monoclonal antibody recognizes CD337 also known as activating NK receptor NKp30 (NKp30), and natural cytotoxicity triggering receptor 3. NKp30 is a type I transmembrane protein, member of the natural cytotoxicity

receptor family that contains one immunoglobulin-like domain. NKp30 has an apparent molecular weight of 30 kD and six isoforms are produced by alternative splicing. NKp30 is expressed on resting and activated NK cells. NKp30 enhances NK cell cytotoxicity of tumor cells that are deficient in MHC class I molecules. NKp30 has been shown to associate with CD59 and TCR $\zeta$ . The p30-15 antibody against human NKp30 has been shown to be useful for flow cytometry, stimulation of human NK cells via NKp30 in a redirected lysis assay, and blocking of NKp30 function in solution.

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**Function :**

Cell membrane receptor of natural killer/NK cells that is activated by binding of extracellular ligands including BAG6 and NCR3LG1. Stimulates NK cells cytotoxicity toward neighboring cells producing these ligands. It controls, for instance, NK cells cytotoxicity against tumor cells. Engagement of NCR3 by BAG6 also promotes myeloid dendritic cells (DC) maturation, both through killing DCs that did not acquire a mature phenotype, and inducing the release by NK cells of TNFA and IFNG which promote DC maturation.

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**Subcellular Location :**

Cell membrane ; Single-pass type I membrane protein .

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**Expression :**

Selectively expressed by all resting and activated NK cells and weakly expressed in spleen.

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## Products Images

