10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CD337 Antibody

Catalog # AP95970

Product Information

Application	WB, IHC, FC
Primary Accession	O14931
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	21593

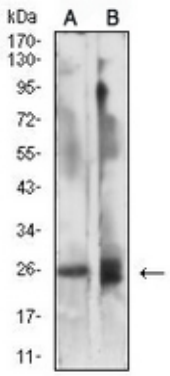
Additional Information

Gene ID	259197
Other Names	1C7; LY117; Natural cytotoxIC, ity triggering receptor 3; Activating natural killer receptor p30; Natural killer cell p30-related protein; NK-p30; NKp30; CD337
Target/Specificity	Recombinant fusion protein of human CD337 expressed in HEK293
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

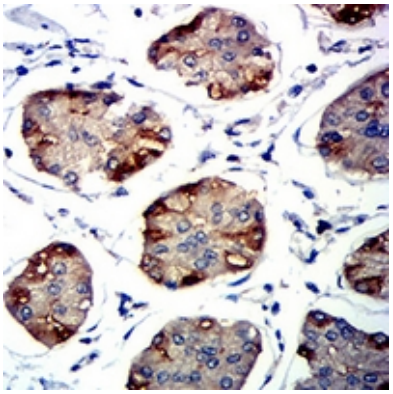
Protein Information

Name	NCR3 (HGNC:19077)
Synonyms	1C7, LY117
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.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Selectively expressed by all resting and activated NK cells and weakly expressed in spleen. {ECO:0000269|PubMed:10562324, ECO:0000269|Ref.2}

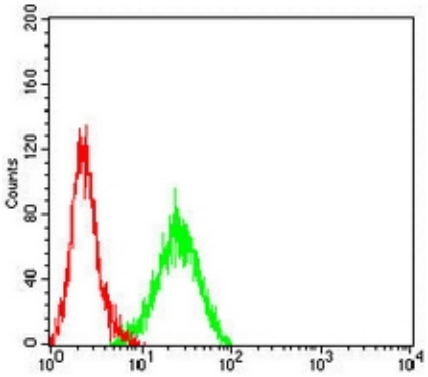
Images



Western blot analysis of CD337 expression in rat liver (A), mouse liver (B) whole cell lysates. (Predicted band size: 22 kD; Observed band size: 24 kD)



Immunohistochemical analysis of CD337 staining in human stomach formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of K562 cells using Anti-CD337 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.