

Rabbit Anti-VNN1/AF350 Conjugated antibody

SL10314R-AF350

Product Name	Anti-VNN1/AF350
Chinese Name	AF350 标记的血管非炎症分子 1 抗体
Alias	HDLCQ8; High density lipoprotein cholesterol level quantitative trait locus 8, included; Pantetheinase; Pantetheine hydrolase; Tiff66; V-1 antibody Vanin 1; Vanin-1; Vannin 1; Vascular non inflammatory molecule 1; Vascular non-inflammatory molecule 1; VNN 1; VNN1; VNN1_HUMAN.
Research Area	Cardiovascular Cell biology Signal transduction lymphocyte t-lymphocyte
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse,Rat(predicted:Cow,Rabbit,Sheep)
Applications	Flow-Cyt=2 μ g/Test,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	52kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human VNN1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	background: This gene encodes a member of the vanin family of proteins, which share extensive sequence similarity with each other, and also with biotinidase. The family includes secreted and membrane-associated proteins, a few of which

have been reported to participate in hematopoietic cell trafficking. No biotinidase activity has been demonstrated for any of the vanin proteins, however, they possess pantetheinase activity, which may play a role in oxidative-stress response. This protein, like its mouse homolog, is likely a GPI-anchored cell surface molecule. The mouse protein is expressed by the perivascular thymic stromal cells and regulates migration of T-cell progenitors to the thymus. This gene lies in close proximity to, and in the same transcriptional orientation as, two other vanin genes on chromosome 6q23-q24. [provided by RefSeq, Feb 2009]

Function:

Amidohydrolase that hydrolyzes specifically one of the carboamide linkages in D-pantetheine thus recycling pantothenic acid (vitamin B5) and releasing cysteamine.

Subcellular Location:

Cell membrane; Lipid-anchor, GPI-anchor

Tissue Specificity:

Widely expressed with higher expression in spleen, kidney and blood. Overexpressed in lesional psoriatic skin.

Similarity:

Belongs to the CN hydrolase family. BTD/VNN subfamily. Contains 1 CN hydrolase domain.

Database links:

[Entrez Gene: 8876](#) Human

[Omim: 603570](#) Human

[SwissProt: O95497](#) Human

[Unigene: 12114](#) Human

[Unigene: 720659](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.