

**VNN1 Antibody (clone 4E11)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS17214****Specification**

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**VNN1 Antibody (clone 4E11) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC-P, E               |
| Primary Accession | <a href="#">O95497</a> |
| Other Accession   | <a href="#">8876</a>   |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Isotype           | IgG2a,k                |
| Calculated MW     | 57012                  |

**VNN1 Antibody (clone 4E11) - Additional Information****Gene ID** 8876**Other Names**

VNN1, HDLCQ8, Pantetheinase, Pantetheine hydrolase, Vanin-1, Tiff66, Vanin 1, Vannin 1

**Target/Specificity**

Human VNN1

**Reconstitution & Storage**

PBS, pH 7.4. Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

VNN1 Antibody (clone 4E11) is for research use only and not for use in diagnostic or therapeutic procedures.

**VNN1 Antibody (clone 4E11) - Protein Information****Name** VNN1**Function**

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

**Cellular Location**

Cell membrane; Lipid-anchor, GPI-anchor

**Tissue Location**

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

**Volume**

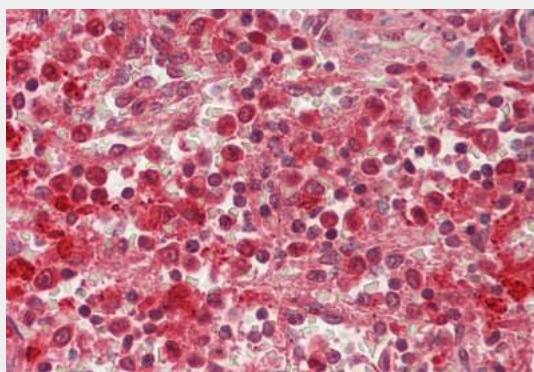
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### VNN1 Antibody (clone 4E11) - Protocols

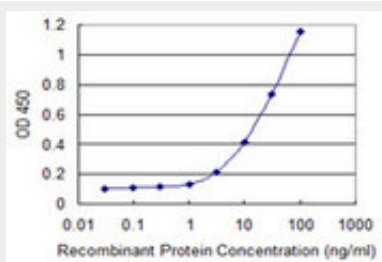
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### VNN1 Antibody (clone 4E11) - Images



Human Spleen: Formalin-Fixed, Paraffin-Embedded (FFPE)



Detection limit for recombinant GST tagged VNN1 is 1 ng/ml as a capture antibody.

### VNN1 Antibody (clone 4E11) - Background

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

### VNN1 Antibody (clone 4E11) - References

- Galland F., et al. Genomics 53:203-213(1998).  
Prehn S., et al. Submitted (OCT-1995) to the EMBL/GenBank/DDBJ databases.  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Mungall A.J., et al. Nature 425:805-811(2003).  
Maras B., et al. FEBS Lett. 461:149-152(1999).