

## Human CD106 ELISA Kit | VCAM1 elisa kit

Human CD106 ELISA Kit

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| CATALOG #<br><b>AAA261808</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

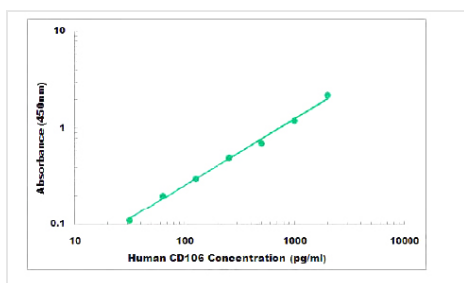
### PRODUCT SYNONYMS

CD106; Human CD106 ELISA Kit; L1CAM; Vascular cell adhesion protein 1; V-CAM 1; VCAM-1; INCAM-100; VCAM1 elisa kit

### PRODUCT SPECIFICATIONS

|                                             |                                                                                                                                                                                            |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                  | Human                                                                                                                                                                                      |
| Specificity                                 | The Human CD106 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human CD106 proteins within the range of 31.3 pg/ml - 2000 pg/ml. |
| Sequence Length                             | 739                                                                                                                                                                                        |
| Samples                                     | Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates.                                                                                                                              |
| Sensitivity                                 | 7 pg/ml.                                                                                                                                                                                   |
| Applicable Applications for VCAM1 elisa kit | ELISA (Sandwich ELISA)                                                                                                                                                                     |
| Preparation and Storage                     | Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.                                                                                |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Related Product Information for VCAM1 elisa kit | <p>Principle of the Assay  The Human CD106 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human CD106 in Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates. This assay employs an antibody specific for Human CD106 coated on a 96-well plate. Standards and samples are pipetted into the wells and CD106 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human CD106 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD106 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.</p> <p>Background/Introduction: Vascular cell adhesion molecule 1 (VCAM-1) is a cell surface glycoprotein adhesive for certain blood leukocytes and tumor cells, which is expressed by activated endothelium in a variety of pathologic conditions including atherosclerosis. Increased expression of VCAM1 is associated with a variety of chronic inflammatory conditions, making its expression and function a target for therapeutic intervention. Integrin alpha4beta 1 (VLA-4) and VCAM-1 facilitate a critical cell-cell adhesion event required for survival of endothelial and mural cells during vascularization. The VCAM1 gene is assigned to the 1p31-32 region of chromosome 1 based on the analysis of human-mouse hybrid cell lines and in situ hybridization.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 137560                                 |
| NCBI GeneID                      | 7412                                   |
| UniProt Accession #              | P19320; Q6NUP8; A8K6R7; B4DKS4; E9PDD1 |
| Molecular Weight                 | 74,346 Da                              |
| NCBI Official Full Name          | Vascular cell adhesion protein 1       |
| NCBI Official Synonym Full Names | vascular cell adhesion molecule 1      |
| NCBI Official Symbol             | VCAM1                                  |
| NCBI Official Synonym Symbols    | CD106; INCAM-100                       |
| NCBI Protein Information         | vascular cell adhesion protein 1       |
| UniProt Protein Name             | Vascular cell adhesion protein 1       |
| UniProt Gene Name                | VCAM1                                  |
| UniProt Synonym Gene Names       | L1CAM; V-CAM 1; VCAM-1                 |
| UniProt Entry Name               | VCAM1_HUMAN                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.