

## Mouse anti-Human CD106 Monoclonal Antibody | anti-CD106 antibody

Mouse Anti-Human CD106 Monoclonal Antibody, Azide Free Clone B-N8

|                              |                      |                            |                              |
|------------------------------|----------------------|----------------------------|------------------------------|
| CATALOG #<br><b>AAA58565</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA</b> |
|------------------------------|----------------------|----------------------------|------------------------------|

### PRODUCT SYNONYMS

CD106; Monoclonal Antibody; Mouse Anti-Human CD106 Monoclonal Antibody; Azide Free Clone B-N8; VCAM-1; anti-CD106 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                          |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                    |
| Reactivity                                      | Human                                                                                                    |
| Clonality                                       | Monoclonal                                                                                               |
| Isotype                                         | Mouse IgG1 Kappa light chain                                                                             |
| Clone Number                                    | B-N8                                                                                                     |
| Specificity                                     | Recognises the Vascular Cellular Adhesion Molecule-1 (VCAM-1), a 110 kDa protein                         |
| Purity/Purification                             | Ion exchange chromatography                                                                              |
| Form/Format                                     | Azide free<br>Phosphate-buffered saline. Sterile-filtered through 0.22 um. Carrier and preservative free |
| Applicable Applications for anti-CD106 antibody | ELISA                                                                                                    |
| Antigen                                         | CD106 / VCAM-1                                                                                           |
| Hybridoma                                       | Myeloma X63/AG.8653 x Balb/c spleen cells                                                                |
| Immunisation                                    | Activated human umbilical vein endothelial cells                                                         |
| Preparation and Storage                         | 1 year: 2-8°C<br>Long Term: (Aliquot) -20°C.                                                             |

### ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Related Product Information for anti-CD106 antibody | <p><b>BACKGROUND:</b>The vascular cell adhesion protein 1, also known as vascular cell adhesion molecule 1 (VCAM-1) or differentiation group 106 (CD106), is a protein that in humans is coded by the VCAM1 gene. VCAM-1 functions as a cell adhesion molecule.</p> <p>The VCAM-1 protein induces the adhesion of lymphocytes, monocytes, eosinophils and basophils to the vascular endothelium. It also plays a role in signal transduction of leukocyte-endothelial cells and may play a role in the development of atherosclerosis and rheumatoid arthritis.</p> <p>Positive regulation of VCAM-1 in endothelial cells by cytokines results from increased transcription of the gene (eg, in response to tumor necrosis factor alpha (TNF-?) and interleukin-1 (IL-1 )) and the stabilization of the messenger RNA. (MRNA) (e.g., interleukin-4 (IL-4)). The promoter region of the VCAM-1 gene contains functional tandem sites NF-KB (nuclear factor-kappa B). The sustained expression of VCAM-1 lasts more than 24 hours.</p> <p>Mainly, the VCAM-1 protein is an endothelial ligand of the VLA-4 (Very Late Antigen-4 or ?4?1 integrin) of the ?1 integrin subfamily. VCAM-1 expression has also been observed in other cell types (eg, smooth muscle cells). It has also been shown to interact with EZR and Moesin.</p> <p>CD106 also exists on the surface of certain sub-populations of mesenchymal stem cells (MSCs).</p> |
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**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/monoclonal/cd106-antibody-clone-b-n8-elisa/58565>