

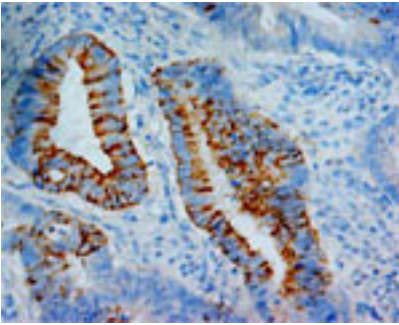
## Rabbit polyclonal antibody to ICAM1 (503-516): Affinity purified

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| <b>Catalogue No.:</b>    | R-1025-100   |
| <b>Description:</b>      | THIS PRODUCT IS TEMPORARILY OUT OF STOCK. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. Intercellular adhesion molecule 1 (ICAM1) is a single-pass type 1 membrane glycoprotein that belongs to the ICAM family. ICAM1 is typically expressed on endothelial cells and cells of the immune system. ICAM-1 is also expressed in all types of glial cells including astrocytes and microglia.   |
| <b>Batch No.:</b>        | See product label  |
| <b>Unit size:</b>        | 100 ug   |
| <b>Antigen:</b>          | A synthetic peptide (YNRQRKIKKYRLQQ) corresponding to a region (503-516) from the C-terminus of human ICAM1.   |
| <b>Other Names:</b>      | ICAM1; ICAM-1; Intercellular adhesion molecule 1; CD54;  |
| <b>Accession:</b>        | P05362 ICAM1_HUMAN;  |
| <b>Produced in:</b>      | Rabbit   |
| <b>Purity:</b>           | Affinity purified on antigen column  |
| <b>Applications:</b>     | Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.1-0.5 ug/mL is recommended for WB. Human ICAM1 (precursor) has a predicted length of 532 residues and a MW of 58 kDa. A concentration of 0.5-1 ug/mL is recommended to detect ICAM1 in formalin fixed and paraffin embedded tissues. Heat mediated antigen retrieval is recommended. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.  |
| <b>Specificity:</b>      | The specificity of this antibody has been confirmed by WB and IHC against the antigen.   |
| <b>Cross-reactivity:</b> | Human  |
| <b>Form:</b>             | Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub>  |
| <b>Reconstitution:</b>   | Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.  |
| <b>Storage:</b>          | At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles   |
| <b>Expiry Date:</b>      | 12 months after purchase   |
| <b>References:</b>       | <ol style="list-style-type: none"><li>1. Satoh J. et al. Cytokine-induced expression of intercellular adhesion molecule-1 (ICAM-1) in cultured human oligodendrocytes and astrocytes. J Neuropathol Exp Neurol. 1991 May;50(3):215-26.</li><li>2. Verbeek M.M. Accumulation of intercellular adhesion molecule-1 in senile plaques in brain tissue of patients with Alzheimer's disease. Am J Pathol. 1994 January; 144(1): 104-116.</li><li>3. Heppner F.L. et al. Vitamin E induces ramification and downregulation of adhesion molecules in cultured microglial cells. Glia. 1998 Feb;22(2):180-8.</li><li>4. Yang Y. et al. Evaluated expression of ICAM-1 and its ligands in the rat spinal cord following lipopolysaccharide intraspinal injection. Neuromolecular Med. 2008;10(4):385-92.</li></ol> |

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FOR RESEARCH USE ONLY

## **Rabbit polyclonal antibody to ICAM1 (503-516): Affinity purified**



Immunohistochemical staining of paraffin-embedded human mammary cancer sections using ICAM1 antibody (R-1025-100) at a concentration of 1.0-2.0 $\mu$ g/ml. Secondary detection with Biotinylated goat anti-rabbit IgG (10 $\mu$ g/ml).

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