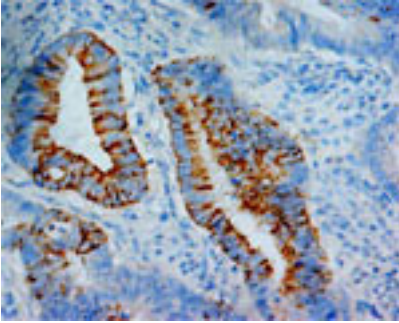


Rabbit polyclonal antibody to ICAM1 (503-516): Affinity purified

Catalogue No.:	R-1025-100
Description:	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.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide (YNRQRKIKKYRLQQ) corresponding to a region (503-516) from the C-terminus of human ICAM1.
Other Names:	ICAM1; ICAM-1; Intercellular adhesion molecule 1; CD54;
Accession:	P05362 ICAM1_HUMAN;
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	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.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃
Reconstitution:	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
Storage:	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
Expiry Date:	12 months after purchase
References:	<ol style="list-style-type: none">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):215-26.2. 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): 104-116.3. Heppner F.L. et al. Vitamin E induces ramification and downregulation of adhesion molecules in cultured microglial cells. Glia. 1998 Feb;22(2):180-8.4. 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.

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 μ g/ml. Secondary detection with Biotinylated goat anti-rabbit IgG (10 μ g/ml).

biosensis

FOR RESEARCH USE ONLY