

Datasheet for ABIN3042595
anti-ICAM1 antibody (AA 28-480)

3 Images

36 Publications

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ICAM1
Binding Specificity:	AA 28-480
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ICAM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Intercellular adhesion molecule 1(ICAM1) detection. Tested with WB, IHC-P in Human.
Brand:	Picoband™
Immunogen:	NSO-derived human ICAM1 recombinant protein (Position: Q28-E480). Human ICAM1 shares 55% and 53% amino acid (aa) sequence identity with mouse and rat ICAM1, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Intercellular adhesion molecule 1(ICAM1) detection. Tested with WB, IHC-P in Human. Gene Name: intercellular adhesion molecule 1 Protein Name: Intercellular adhesion molecule 1

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: ICAM1

Alternative Name: ICAM1 ([ICAM1 Products](#))

Target Type: Viral Protein

Background: CD54, also known as ICAM-1. Intercellular adhesion molecule-1 (ICAM1) is a ligand for lymphocyte function-associated (LFA) antigens. Intercellular adhesion molecule-1 (ICAM-1) is an integral membrane protein, a member of the immunoglobulin superfamily, and a ligand for LFA-1, a beta 2 leukocyte integrin. ICAM1 protein is the major human rhinovirus receptor. ICAM1 gene is mapped to human chromosome 19. In humans, lymphocyte adhesion to cells is mediated by the protein heterodimer CD11a/CD18 (Leu-CAMa, LFA-1) and its ligand CD54 (ICAM-1).

Synonyms: Antigen identified by monoclonal antibody BB2 antibody|BB 2 antibody|BB2 antibody|CD 54 antibody|CD_antigen antibody|CD54 antibody|CD54 antigen antibody|Cell surface glycoprotein P3.58 antibody|Human rhinovirus receptor antibody|ICAM 1 antibody|ICAM-1 antibody|ICAM1 antibody|ICAM1_HUMAN antibody|intercellular adhesion molecule 1 (CD54), human rhinovirus receptor antibody|Intercellular adhesion molecule 1 antibody|Major group rhinovirus receptor antibody|MALA 2 antibody|MALA2 antibody|MyD 10 antibody|MyD10 antibody|P3.58 antibody|Surface antigen of activated B cells antibody|Surface antigen of activated B cells, BB2 antibody

UniProt: [P05362](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Actin Filament Polymerization](#), [Carbohydrate Homeostasis](#), [Regulation of Leukocyte Mediated Immunity](#), [Thromboxane A2 Receptor Signaling](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Other applications have not been tested.

Application Details

Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Publications

Product cited in: Ostermann, Seeliger, David, Flasche, Maus, Reinboth, Christmann, Neumann, Brand, Seltsmann, Bühlring, Paton, Roth, Vogl, Viemann, Welte, Maus: "S100A9 is indispensable for survival of pneumococcal pneumonia in mice." in: **PLoS pathogens**, Vol. 19, Issue 7, pp. e1011493, (2023) ([PubMed](#)).

Ostermann, Maus, Stolper, Schütte, Katsarou, Tumpara, Pich, Mueller, Janciauskiene, Welte, Maus: "Alpha-1 antitrypsin deficiency impairs lung antibacterial immunity in mice." in: **JCI insight**, Vol. 6, Issue 3, (2021) ([PubMed](#)).

Hu, Wang, Rao, Zhao, Yang, Hu, He, Xia, Liu, Zhen, Di, Xie, Xia, Zhu: "Alterations in the endometrium of rats, rabbits, and Macaca mulatta that received an implantation of copper/low-

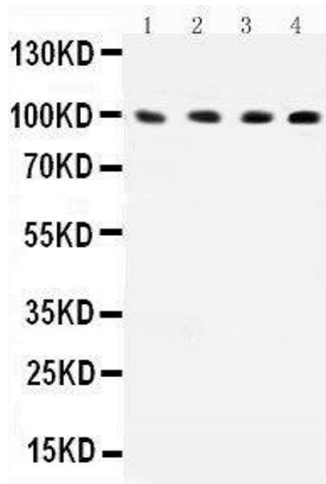
density polyethylene nanocomposite." in: **International journal of nanomedicine**, Vol. 9, pp. 1127-38, (2015) ([PubMed](#)).

Zhou, Chen, Jiang, Feng, Han: "Effects of bone marrow-derived mesenchymal stem cells transfected with survivin on pulmonary fibrosis in mice." in: **Experimental and therapeutic medicine**, Vol. 10, Issue 5, pp. 1857-1864, (2015) ([PubMed](#)).

Wu, You, Ma, Li, Yuan, Li, Ye, Liu, Yao, Chen, Lai, Yang: "Role of transient receptor potential ion channels and evoked levels of neuropeptides in a formaldehyde-induced model of asthma in BALB/c mice." in: **PLoS ONE**, Vol. 8, Issue 5, pp. e62827, (2013) ([PubMed](#)).

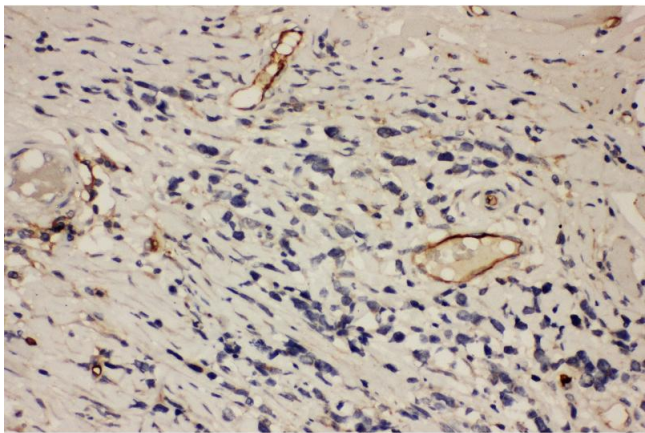
There are more publications referencing this product on: [Product page](#)

Images



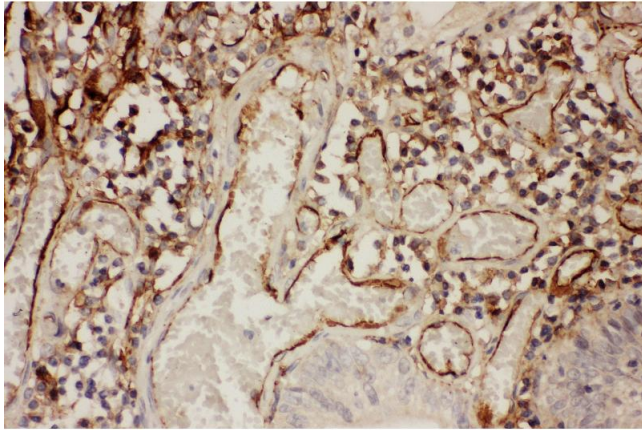
Western Blotting

Image 1. Observed bind size: 100KD



Immunohistochemistry

Image 2. Anti-ICAM1 Picoband antibody,IHC(P) IHC(P): Human Lung Cancer Tissue



Immunohistochemistry

Image 3. Anti-ICAM1 Picoband antibody, IHC(P) IHC(P):
Human Intestinal Cancer Tissue