

**CD54 / ICAM-1 Antibody - With BSA and Azide**  
**Mouse Monoclonal Antibody [Clone F4-31C2 ]**  
**Catalog # AH11485**

**Specification**

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**CD54 / ICAM-1 Antibody - With BSA and Azide - Product Information**

Application	,3,4,
Primary Accession	<a href="#">P05362</a>
Other Accession	<a href="#">3383</a> , <a href="#">643447</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Calculated MW	85-115kDa KDa

**CD54 / ICAM-1 Antibody - With BSA and Azide - Additional Information**

**Gene ID** 3383

**Other Names**

Intercellular adhesion molecule 1, ICAM-1, Major group rhinovirus receptor, CD54, ICAM1

**Storage**

Store at 2 to 8°C. Antibody is stable for 24 months.

**Precautions**

CD54 / ICAM-1 Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

**CD54 / ICAM-1 Antibody - With BSA and Azide - Protein Information**

**Name** ICAM1

**Function**

ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). During leukocyte trans-endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through ARHGEF26/SGEF and RHOG activation.

**Cellular Location**

Membrane; Single-pass type I membrane protein.

**CD54 / ICAM-1 Antibody - With BSA and Azide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **CD54 / ICAM-1 Antibody - With BSA and Azide - Images**

#### **CD54 / ICAM-1 Antibody - With BSA and Azide - Background**

Recognizes an 85-115kDa protein (variation with cell type), identified as intercellular adhesion molecule (ICAM-1). It has 7 potential N-linked glycosylation sites. ICAM-1 is a single chain glycoprotein of Ig supergene family, present on unstimulated endothelial cells (EC) and on a variety of other cell types including activated fibroblasts, EC, macrophages, and lymphocytes. ICAM-1 mediates cell adhesion by binding to integrins CD11a/CD18 (leukocyte adhesion molecule, LFA-1) and to CD11b/CD18 (Mac-1). This interaction enhances antigen-specific T-cell activation. ICAM-1 also binds to CD43 and to Plasmodium falciparum infected RBCs. ICAM-1 may also be related to progression and metastasis of tumors.

#### **CD54 / ICAM-1 Antibody - With BSA and Azide - References**

Johnson, J.P., et al., Cluster Report: CD54, in: Knapp, W., et al. (eds), Leucocyte Typing IV, Oxford Univ. Press, pp 681-683