CD54 / ICAM-1 Antibody

Mouse Monoclonal Antibody [Clone ICAM1/6968]

Catalog No	Format	Size
3383-MSM8-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3383-MSM8-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3383-MSM8-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

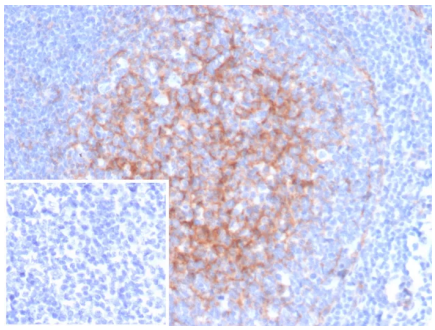
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

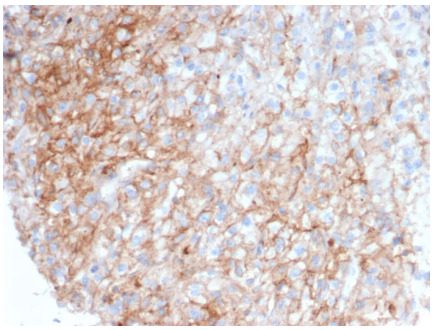
Clone	ICAM1/6968
Gene Name	ICAM1
Immunogen	Recombinant fragment of human ICAM1 (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	85-115kDa
Cellular Localization	Cell surface
Species Reactivity	Human
Positive Control	HeLa or SW480 cells. Human tonsil.|Raji

**Optimal dilution for a specific application should be determined.*

Product Images for CD54 / ICAM-1 Antibody



Formalin-fixed, paraffin-embedded human tonsil stained with CD54 / ICAM-1 Mouse Monoclonal Antibody (ICAM1/6968). Inset: PBS instead of primary antibody; secondary only negative control.



Formalin-fixed, paraffin-embedded human kidney carcinoma stained with CD54 / ICAM-1 Mouse Monoclonal Antibody (ICAM1/6968). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

BBB VCAM-1 Signaling, Cardiovascular, Complement System, Cytokine Signaling, Endothelial Cell Marker, Immunology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.