

CD54 / ICAM-1 Antibody

Mouse Monoclonal Antibody [Clone 15.2]

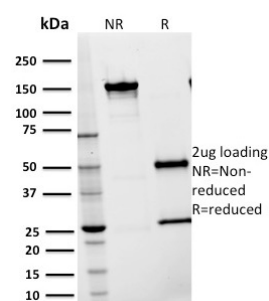
Catalog No	Format	Size
3383-MSM3-P0	Purified Ab with BSA and Azide	200ug/ml
3383-MSM3-P1	Purified Ab with BSA and Azide	200ug/ml
3383-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

Applications	Tested Dillution
Flow Cytometry (Flow)	1-2ug/million cells
Immunofluorescence (IF)	1-3ug/ml
Immunohistochemistry (IHC)	1-2ug/ml

Product Details	
Clone	15.2
Gene Name	ICAM1
Immunogen	Human monocytes.
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	85-115kDa
Cellular Localization	Membrane
Species Reactivity	Human, Pig
Positive Control	HeLa or SW480 cells. Human tonsil., MOLT 4, Raji cells

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

Product Images for CD54 / ICAM-1 Antibody



SDS-PAGE Analysis Purified CD54 Mouse Monoclonal Antibody (15.2). Confirmation of Purity and Integrity of Antibody.

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.

Research Areas

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

Known Applications & Suggested Dilutions

Functional Studies (Order Ab without BSA & Azide) | Flow Cytometry (1-2ug/million cells) | Immunofluorescence (1-2ug/ml) | Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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) | Optimal dilution for a specific application should be determined.

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.

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.