

Mouse Anti-CD54/ICAM1 [1H4]: MC0518, MC0518RTU7

Intended Use: For Research Use Only

Description: ICAM-1 (intercellular adhesion molecule) has 7 potential N-linked glycosylation sites. It 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).

Specifications:

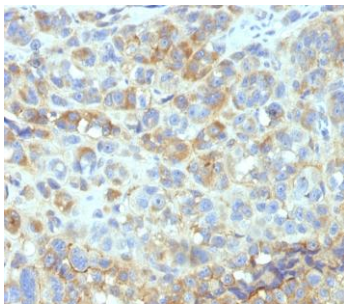
Clone: 1H4 same as W-CAM-1
Source: Mouse
Isotype: IgG2b/k
Reactivity: Human
Immunogen: Raji Burkitt lymphoma cells
Localization: Membrane
Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
Storage: Store at 2°- 8°C
Applications: IHC, Flow Cyt.
Package:

Description	Catalog No.	Size
CD54/ICAM1 Concentrated	MC0518	1 ml
CD54/ICAM1 Prediluted	MC0518RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Tonsil
Concentrated Dilution: 50-200
Pretreatment: Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human melanoma stained with anti-CD54 using DAB

References:

1. Post-transcriptional down regulation of ICAM-1 in fetoplacental endothelium in GDM. Díaz-Pérez FI, et al. Cell Adh Migr 10:18-27, 2016.
2. Endothelial-to-mesenchymal transition drives atherosclerosis progression. Chen PY, et al. J Clin Invest 125:4514-28, 2015.
3. Senescence-associated release of transmembrane proteins involves proteolytic processing by ADAM17 and microvesicle shedding. Effenberger T, et al. FASEB J 28:4847-56, 2014.