Anti-Human CD54 (ICAM-1) SAFIRE Purified
Catalogue Number: 06611-25

Product Information

Clone: 15.2
Format/Conjugate: SAFIRE Purified
Concentration: 2 mg/mL
Reactivity: Human
Laser: Not Applicable
Peak Emission: Not Applicable
Peak Excitation: Not Applicable
Filter: Not Applicable
Brightness (1=dim, 5=brightest): Not Applicable
Isotype: Mouse IgG1
Formulation: Phosphate-buffered aqueous solution, pH 7.2.
Storage: Product should be kept at 2-8°C and protected from prolonged exposure to light.
Applications: FC, FA, IHC, WB

Description
The 15.2 antibody reacts with the 85-110 kDa intracellular adhesion molecule-1 (ICAM-1), a member of the Ig superfamily which acts as a ligand for the Lymphocyte Function-Associated Antigen-1 (LFA-1). ICAM-1 is also known CD 54 and is expressed on non-hematopoietic cells of vascular endothelial, thymic epithelial, fibroblasts lineages, and on hematopoietic cells like macrophages, mitogen-stimulated T-lymphoblasts, dendritic cells in tonsils, lymph nodes and Peyer’s patches, and germinal center B cells. Inflammatory mediators (IL-1, TNF, IFN-γ) enhance the production of ICAM-1 on fibroblasts and endothelial cells within few hours. Thus, ICAM-1 seems to be the marker of inflammatory reactions.

Preparation & Storage
The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

Application Notes
The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.

References