RayBiotech, Inc.
3607 Parkway Lane suite 200
Norcross,GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet

Rat Anti-Mouse CD54 (ICAM-1)

Catalog No.	**Host Animal:**	**Isotype:**
MD-14-0922	Rat	IgG2a

Description: Monoclonal Antibody to Mouse CD54 (ICAM-1), Biotin conjugated

Specificity: Recognizes the Mr 95 kDa cell surface glycoprotein known as intracellular adhesion molecule ICAM-1. ICAM-1 is the receptor for LFA-1 and Mac-1.1,2,3. The CD54 is present on endothelial cells, lymphocytes, epithelial cells, dendritic cells and keratinocytes. It has been demonstrated that ICAM-1 enhances T-cell activation.

Isotype: IgG2a

Source: Tissue culture

Format: Biotin, Liquid

Purification: Protein G chromatography

Concentration: 0.5mg/ml (OD280nm)

Affinity Constant: Not determined.

Buffer: 0.01M PBS, pH 7.2 containing 2mM EDTA, 1% BSA

Preservative: 0.1% Sodium azide

Applications: We recommend using 1ug to staining 1 x 106 cells in flow cytometric applications. Depending on the particular applications, some variance can be expected. Blocks the binding of LFA-1 to ICAM-1. Suitable for studies of inflammation, lymphocyte differentiation, and lymphocyte activation. Can be used in flow cytometry, immunoprecipitation and immunohistochemistry. Each laboratory should determine an optimum working titer for use in its particular application.

RayBiotech, Inc.
3607 Parkway Lane suite 200
Norcross,GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Storage: Store at 2–8°C. **DO NOT FREEZE!**

References: The references listed below are for research purposes only.

1. Kuhlman, P., et al., (1991), J. of Immunol., **146**(6):1773.
2. Schynius, A., et al., (1993), J. Immunol., **150**:655.
3. Harlan, J. M., et al., (1992), Adhesion: Its Role in Inflammatory Disease, W. H. Freeman and Co., New York, p. 154.