

## 30-2176: Anti-CD54 / ICAM-1 Monoclonal Antibody (Clone:MEM-111)-PE Conjugated

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MEM-111
<b>Application :</b>	FACS, WB, IHC, ELISA
<b>Reactivity :</b>	Rat, Human, Bovine
<b>Conjugate :</b>	PE
<b>Gene :</b>	ICAM1
<b>Gene ID :</b>	3383
<b>Uniprot ID :</b>	P05362
<b>Alternative Name :</b>	ICAM1
<b>Isotype :</b>	Mouse IgG2a
<b>Immunogen Information :</b>	Raji human Burkitt's lymphoma cell line

### Description

CD54 (ICAM-1) is a 90 kD member of the C2 subset of immunoglobulin superfamily. It is a transmembrane molecule with 7 potential N-glycosylated sites, expressed on resting monocytes and endothelial cells and can be upregulated on many other cells, e.g. with lymphokines, on B- and T-lymphocytes, thymocytes, dendritic cells and also on keratinocytes, chondrocytes, as well as epithelial cells. CD54 mediates cell adhesion by binding to integrins CD11a/CD18 (LFA-1) and to CD11b/CD18 (Mac-1). The interaction of CD54 with LFA-1 enhances antigen-specific T-cell activation.

### Product Info

<b>Amount :</b>	100 tests
<b>Storage condition :</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

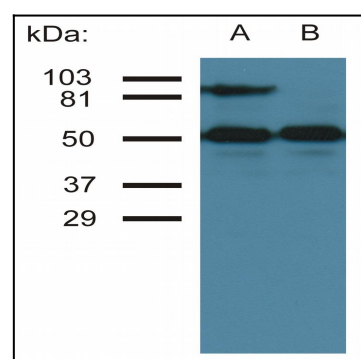


Figure 1: Western blot analysis of CD54 expression in TNF-alpha activated (A) and nonactivated (B) HUVEC cells by antibody MEM-111. Lower bands represent tubulin as a loading control.