

## Anti-CD11a [MHM24] Standard Size Ab01233-1.1

This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgG format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG1, Kappa

**Clone Number:** MHM24

**Alternative Name(s) of Target:** Integrin alpha-L; CD11 antigen-like family member A; leukocyte function-associated molecule 1 alpha chain; human lymphocyte function antigen

**UniProt Accession Number of Target Protein:** P20701

**Published Application(s):** cytofluorography, humanisation, inhibition studies

**Published Species Reactivity:** Human

**Immunogen:** Spleen cells from BALB/c mice immunised with EBV-transformed human lymphoblastoid cells were fused with P3-NSUIAg4.1 myeloma cells and the resulting hybridomas were screened for antibody production by a radioimmunoassay on T and B cell lines.

**Specificity:** MHM24 binds to the CD11a subunit of lymphocyte function-associated antigen. It binds to both the high- and low-affinity forms of the antigen.

**Application Notes:** Cytofluorography was used to show the binding of MHM24 to peripheral blood lymphocytes, with 97.3% of cells stained by MHM24 (Hildreth et al, 1983). In inhibition experiments, MHM24 inhibited T cell-mediated lysis of virus-infected cells (Hildreth et al, 1983). Additionally, MHM24 inhibited NK cell-mediated lysis (Hildreth et al, 1983). Flow cytometry showed MHM24 exhibits non-selective binding to high-affinity and low-affinity forms of LFA-1 (Huang et al, 2006). Murine MHM24 was humanised and shown to prevent adhesion of human T cells to human keratinocytes and the proliferation of T cells in response to nonautologous leukocytes (Werther et al, 1996).

**Antibody First Published in:** Hildreth et al, 1983. A human lymphocyte-associated antigen involved in cell-mediated lympholysis. Eur J Immunol. 1983 Mar;13(3):202-8. [PMID:6339253](#)

**Note on publication:** Describes the original generation of the antibody and its characterisation through inhibition studies.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:**

PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.