

## Anti-CD11a [MHM24] Standard Size Ab01233-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human 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:** Human IgG1, Fc Silent™, 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.