



**Catalog#**      **CD58UL-100**    **Size**    **100 ug**

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**Mouse Anti-Human CD58**

**PRODUCT INFORMATION**

**CLONE:**                    HI58a  
**ISOTYPE:**                Mouse IgG1  
**Product Forms:**        Purified, FITC conjugation, PE conjugation.  
**SIZE:**                     25 Tests

**DESCRIPTION**

CD58 McAb recognizes a 55-70KD membrane glycoprotein known as the lymphocyte function associated antigen-3 (LFA-3). CD58 antigen has wide distribution over many tissues, both hematopoietic and non-hematopoietic cells, including leucocytes, erythrocytes, endothelial cells, epithelial cells and fibroblasts. There are two isoforms of CD58 antigen: a glycosylphosphatidylinositol (GPI)- anchor form and a transmembrane form. Both forms are expressed on the same cell type, and however, erythrocytes only have the GPI- anchored isoform. CD58 is the ligand for CD2, and functions as an adhesion molecule and mediates its signal through CD2, which is expressed on T cells and NK cells.

**PREPARATION**

The monoclonal antibody is purified from ascites by protein G affinity chromatography.

**USAGE**

The purified reagent is effective for indirect immunofluorescence staining of human cells for flow cytometric analysis.

The conjugated reagent (FITC, R-PE) is tested for flow cytometric analysis using 20µl/10<sup>6</sup> cells or 100µl peripheral blood cells.

**STORAGE**

For purified forms, long term storage at -20°C.

For conjugated forms, storage at 4°C, should not be frozen and avoid prolonged exposure to light.