



Catalog#	CD58PC-100	Size	100 tests
Catalog#	CD58PC-25	Size	25 tests

Mouse Anti-Human CD58-PE Cy5 conjugate

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 20 μ l/10⁶ cells or 100 μ l peripheral blood cells.

STORAGE

For purified forms, long term storage at -20 \square .

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