

Product datasheet for **SM3032F**

LFA3 (CD58) Mouse Monoclonal Antibody [Clone ID: MEM-63]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-63
Applications:	FC
Recommended Dilution:	Flow Cytometry.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody reacts to CD58.
Formulation:	Containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: FITC State: Liquid purified IgG Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD58 molecule
Database Link:	Entrez Gene 965 Human P19256



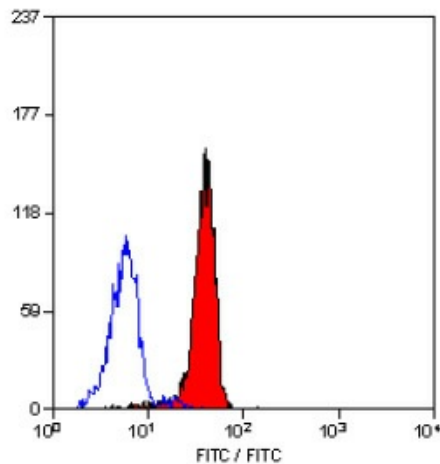
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Background:

CD58, or LFA-3, is a membrane glycoprotein of 55-70kD. It occurs in two forms, one transmembrane with a cytoplasmic domain, the other form anchored in the membrane via a glycosylphosphatidylinositol tail. The complete amino acid sequence of both forms has been deduced from cDNA. It is heavily N-glycosylated. CD58 is a cell adhesion molecule which plays a critical role in facilitation of antigen specific recognition through interaction with CD2 on T lymphocytes. It is a member of the immunoglobulin superfamily of molecules. CD58 has a wide tissue distribution, being present on erythrocytes, platelets, monocytes, a subset of lymphocytes, bone marrow cells, epithelium and endothelial cells. There are approximately 5,000 CD58 molecules on each erythrocyte. There is reduced expression of CD58 on haemopoietic cells in individuals with paroxysmal nocturnal haemoglobinuria.

Synonyms:

Ag3, LFA-3

Product images:

Staining of human peripheral blood platelets with MOUSE ANTI HUMAN CD58:FITC (SM3032F).