

Product datasheet for **SM1800F**

Integrin alpha E (ITGAE) Mouse Monoclonal Antibody [Clone ID: LF61]

Product data:

Product Type:	Primary Antibodies
Clone Name:	LF61
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 5 µl of neat-1/10 diluted antibody to label 10 ⁶ cells in 100 µl.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Hairy cell leukaemia cells. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NSO myeloma cell line.
Specificity:	This antibody recognizes the Human CD103 cell surface antigen. Other species not tested.
Formulation:	PBS Label: FITC State: Liquid purified IgG fraction Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide Label: Fluorescein Isothiocyanate Isomer 1 Absorption emission: 490 nm / 525 nm
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	FITC
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	integrin subunit alpha E



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Database Link: [Entrez Gene 3682 Human P38570](#)

Background: CD103/Integrin alpha E is a new member of the integrin series of adhesion molecules containing the beta7 subunit. This antigen defines a developmentally important subset of T cells, namely mucosal T cells including all IEL (intraepithelial lymphocytes) and ~20% of lamina propria T cells. Expression of CD103 is more restricted outside these mucosal organs, appearing at lower levels on T cell subsets of the lymph node, dendritic epidermis and periphery. In non-epithelial CD103+ T cells there is a bias toward expression on CD8+ cells. Integrin alpha E is a heterodimer comprising a 150kDa alpha chain and a 120kDa beta chain. Integrin alpha E is expressed by approximately 1% of peripheral blood lymphocytes, activated T lymphocytes and by hairy cell leukaemia cells. The antigen is also expressed by intraepithelial lymphocytes. It has recently been shown to be identical to the alpha E integrin.

Synonyms: Integrin alpha-E, Integrin alpha-IEL, HML-1 antigen, ITGAE