

## Datasheet

### ITGAE monoclonal antibody, clone LF61

**Catalog Number:** MAB5260

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against native ITGAE.

**Clone Name:** LF61

**Immunogen:** Native purified ITGAE from hairy cell leukaemia cells.

**Host:** Mouse

**Reactivity:** Human

**Applications:** Flow Cyt, IHC-Fr, IP  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Specificity:** LF61 recognizes the human CD103 cell surface antigen, a glycoprotein 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.

**Form:** Liquid

**Isotype:** IgG1

**Recommend Usage:** The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBSd (0.09% sodium azide)

**Storage Instruction:** Store at 4°C. For long term storage store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 3682

**Gene Symbol:** ITGAE

**Gene Alias:** CD103, HUMINAE, MGC141996

**Gene Summary:** Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes an I-domain-containing alpha integrin that undergoes post-translational cleavage in the extracellular domain, yielding disulfide-linked heavy and light chains. In combination with the beta 7 integrin, this protein forms the E-cadherin binding integrin known as the human mucosal lymphocyte-1 antigen. This protein is preferentially expressed in human intestinal intraepithelial lymphocytes (IEL), and in addition to a role in adhesion, it may serve as an accessory molecule for IEL activation. [provided by RefSeq]