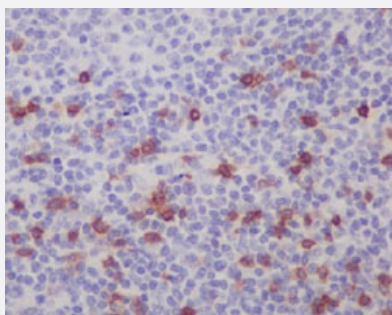


ITGAE monoclonal antibody, clone AbI91

Catalog # MAB20386 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with ITGAE monoclonal antibody, clone AbI91 (Cat # MAB20386).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human ITGAE.
Immunogen	A synthetic peptide corresponding to human ITGAE.
Host	Rabbit
Theoretical MW (kDa)	130.159
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:100-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with ITGAE monoclonal antibody, clone AbI91 (Cat # MAB20386).

Gene Info — ITGAE

Entrez GeneID [3682](#)

Protein Accession# [P38570](#)

Gene Name ITGAE

Gene Alias CD103, HUMINAE, MGC141996

Gene Description integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide)

Omim ID [604682](#)

Gene Ontology [Hyperlink](#)

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]

Other Designations HML-1 antigen|antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide|integrin alpha-IEL|integrin, alpha E

Pathway

- [Regulation of actin cytoskeleton](#)

Disease

- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Genetic Predisposition to Disease](#)
- [Graves Ophthalmopathy](#)
- [Myocardial Infarction](#)
- [Sarcoidosis](#)
- [Stroke](#)
- [Tobacco Use Disorder](#)