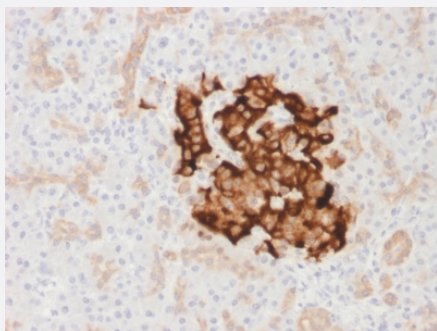


# ITGAE monoclonal antibody, clone ITGAE/2063

Catalog # MAB21104      Size 100 ug

## Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human Colon using ITGAE monoclonal antibody, clone ITGAE/2063.

## Specification

**Product Description** Mouse monoclonal antibody raised against recombinant human ITGAE.

**Immunogen** Recombinant protein corresponding to human ITGAE.

**Host** Mouse

**Reactivity** Human

**Form** Liquid

**Purification** Protein A/G purification

**Isotype** IgG2c, kappa

**Recommend Usage** Immunohistochemistry (Formalin-fixed) (1-2 ug/mL)  
The optimal working dilution should be determined by the end user.

**Storage Buffer** In 10 mM PBS.

**Storage Instruction** Store at -20 to -80°C.  
Aliquot to 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 Colon using ITGAE monoclonal antibody, clone ITGAE/2063.

## 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](#)