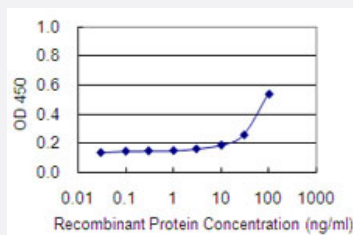


ITGAE monoclonal antibody (M01), clone 6B8

Catalog # H00003682-M01

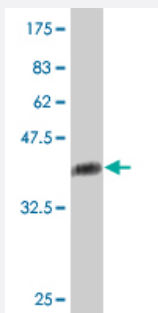
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ITGAE is 3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (38.39 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant ITGAE.

Immunogen

ITGAE (NP_002199, 57 a.a. ~ 171 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

SPRTKRTPGPLHRCSLVQDEILCHPVEHVPIPKGRHRGVTVVRSHHGVLICIQVLVRRPHSLSEL
TGTCSSLGPDLRPQAQANFFDLENLLDPDARVDTGDCYSNKEGGGEDDV

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (56); Rat (57)
Isotype	IgG3 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.39 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ITGAE is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ITGAE

Entrez GeneID	3682
GeneBank Accession#	NM_002208
Protein Accession#	NP_002199
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](#)