

Product Information

Recombinant Anti-Human ITGA4 Antibody

Cat. No.: **MOM-18135**

This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Humanized (from rat) Antibody is against Human Integrin alpha 4 beta 7, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Integrin alpha 4 beta 7, also known as, the lymphocyte Peyer's patch adhesion molecule (LPAM1) is a member of the integrin family of cell surface receptors. It is expressed primarily on mucosal lymphocytes, but is also present on NK cells and eosinophils. The alpha 4 beta 7 heterodimer mediates the binding of lymphocytes to its ligand, mucosal vascular addressin (MAdCAM1) on the high endothelial venules, thereby directing the homing of lymphocytes into Peyer's patches and intestinal lamina propria.

Specific Activity

Tested positive against native antigen.

Target

Integrin alpha 4 beta 7

Immunogen

The details of the immunogen for this antibody are not available.

Source

Humanized (from rat)

Species Reactivity

Human

Type

Humanized (from rat) IgG1 - kappa

Expression Host

CHO

Predicted N terminal

H chain: EVQLVES; L Chain: DIQMTQS

Purity

Purity >95% by SDS-PAGE.

Applications

Suitable for use in WB, ELISA, IP, FC, FuncS, Neut, IF and most other immunological methods.

Storage

Store it under sterile conditions at -20°C upon receiving. Recommend to pack the protein into smaller quantities for optimal storage.

ANTIGEN GENE INFORMATION

Gene Name

[ITGA4 integrin, alpha 4 \(antigen CD49D, alpha 4 subunit of VLA-4 receptor\) \[Homo sapiens \]](#)

Official Symbol

ITGA4

Synonyms

ITGA4; integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor); CD49D; integrin alpha-4; CD49d; 269C wild type; integrin alpha 4; integrin alpha-IV; VLA-4 subunit alpha; integrin alpha-4 subunit; CD49 antigen-like family member D; antigen CD49D, alpha-4 subunit of VLA-4 receptor; very late activation protein 4 receptor, alpha 4 subunit; IA4; MGC90518;

Gene ID

[3676](#)

mRNA Refseq

[NM_000885](#)

Protein Refseq

[NP_000876](#)

MIM

[192975](#)

UniProt ID

P13612

Chromosome Location

2q31-q32

Pathway

Adaptive Immune System, organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Dilated cardiomyopathy, organism-specific biosystem;

Function

fibronectin binding; protein binding; receptor activity;