

磷酸化整合素 α 4 抗体

产品货号： mIR16684

英文名称： phospho-Integrin alpha 4 (Ser1027)

中文名称： 磷酸化整合素 α 4 抗体

别名： Integrin alpha 4 (phospho S1027); p-Integrin alpha 4 (phospho S1027); Alpha 4 subunit of VLA 4 receptor; ITG- α 4: Antigen CD49D; CD 49d ; CD49d; CD49d antigen; CDw49d; IA4; Integrin alpha IV; ITGA 4; ITGA4; LPAM23; MGC90518; Very Late Activation Antigen 4; Very Late Activation Protein 4 Receptor Alpha 4 Subunit; VLA 4; VLA4; integrin alpha-4; ITA4_HUMAN;

研究领域： 细胞生物 信号转导 干细胞

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Pig, Cow, Sheep,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 111kDa

细胞定位： 细胞膜

性 状： Lyophilized or Liquid

浓 度： 1mg/ml

免 疫 原： KLH conjugated synthesised phosphopeptide derived from human Integrin alpha 4 around the phosphorylation site of Ser1027:IN(p-S)KS

亚 型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-

4 ° C.

PubMed : PubMed

产品介绍 background:

Integrin alpha 4 (also called CD49d) is a 150 kDa protein that possesses a large extracellular domain involved in ligand binding, a single transmembrane domain, and an intracellular regulatory domain possessing multiple sites for phosphorylation. Integrin alpha 4 forms heterodimers with integrins beta 1 and beta 7. Integrin alpha 4 is expressed on leukocytes and leukocyte precursors, neural crest cells, and developing skeletal muscles and is essential for embryogenesis, hematopoiesis, and immune responses. The presence of integrin alpha 4 promotes cell migration and inhibits cell spreading and contractility. Integrin alpha 4 function has been implicated in the pathogenesis of multiple diseases including asthma, rheumatoid arthritis, Crohn's disease, ulcerative colitis, hepatitis C, and multiple sclerosis, and therefore, modulation of integrin alpha 4 function has become an important target for drug discovery.

Function:

Integrins alpha-4/beta-1 (VLA-4) and alpha-4/beta-7 are receptors for fibronectin. They recognize one or more domains within the alternatively spliced CS-1 and CS-5 regions of fibronectin. They are also receptors for VCAM1. Integrin alpha-4/beta-1 recognizes the sequence Q-I-D-S in VCAM1. Integrin alpha-4/beta-7 is also a receptor for MADCAM1. It recognizes the sequence L-D-T in MADCAM1. On activated endothelial cells integrin VLA-4 triggers homotypic aggregation for most VLA-4-positive leukocyte cell lines. It may also participate in cytolytic T-cell interactions with target cells.

Subcellular Location:

Membrane.

Post-translational modifications:

Phosphorylation on Ser-1027 inhibits PXN binding.

Similarity:

Belongs to the integrin alpha chain family.

Contains 7 FG-GAP repeats.

SWISS:

P13612

Gene ID:

3676

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.