

## 转化生长因子 $\beta$ 1 结合蛋白抗体

产品货号： mlR6067

英文名称： CD109

中文名称： 转化生长因子  $\beta$ 1 结合蛋白抗体

别名： p180; 8A3; 150 KDa TGF beta 1 binding protein; 7D1; DKFZp762L1111; E123; Platelet specific Gov antigen; r150; RP11 525G3.1; Activated T cell marker CD109; CD 109 antibody CD109 antigen; CPAMD7; FLJ38569; FLJ41966; Gov system alloantigens on platelets.

研究领域： 肿瘤 免疫学 细胞表面分子 糖蛋白 淋巴细胞 t-淋巴细胞

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Horse,

产品应用： ELISA=1:500-1000 IHC-F=1:400-800 Flow-Cyt=3ug/test 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：154kDa

细胞定位：细胞膜

性状：Lyophilized or Liquid

浓度：1mg/ml

免疫原：KLH conjugated synthetic peptide derived from human CD109:901-1000/1445

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:

CD109 is a novel member of the alpha2-macroglobulin (alpha2M)/complement superfamily. It is a glycosylphosphatidylinositol (GPI)-linked cell surface glycoprotein of approximately 170 kd found on endothelial cells, activated platelets and T-cells and on a subset of hematopoietic stem and progenitor cells. Although it has been suggested that T-cell CD109 may play a role in antibody-inducing T-helper function and it is known that platelet CD109 carries the Gov alloantigen system, the role of CD109 in hematopoietic cells remains largely unknown. CD109 has been identified as part of the TGF-beta receptor system in human keratinocytes and upregulation of CD109 expression has been observed in several different types of tumour.

**Function:**

Modulates negatively TGFB1 signaling in keratinocytes.

**Subunit:**

Heterodimer; disulfide-linked. Interacts with TGFB1 and TGFBR1. Forms a heteromeric complex with TGFBR1, TGFBR2 and TGFBR3 in a ligand-independent manner.

**Subcellular Location:**

Cell membrane; Lipid-anchor, GPI-anchor.

**Tissue Specificity:**

Widely expressed with high level in uterus, aorta, heart, lung, trachea, placenta and in fetal heart, kidney, liver, spleen and lung. Expressed by CD34(+) acute myeloid leukemia cell lines, T-cell lines, activated T-lymphoblasts, endothelial cells and activated platelets. Isoform 5 is expressed in placenta. Isoform 1 is expressed in keratinocytes and placenta.

**Post-translational modifications:**

N-glycosylated.

2 forms of 150 (p150) and 120 kDa (p120) exist due to proteolytic degradation from a 180 kDa form.

**Similarity:**

Belongs to the protease inhibitor I39 (alpha-2-macroglobulin) family.

**SWISS:**

Q6YHK3

**Gene ID:**

135228

**Important Note:**

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

**姬:** 8 个糖基化位点; 2 forms of 150 (p150) and 120 kDa (p120) exist due to proteolytic degradation from a 180 kDa form.

产品图片 :

